# CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

OCTOBER 16 1954





FOR EXTRA SALES APPEAL

'DISTAFEED'

Penicillin Supplement
1 gramme per 1b.

#### 'DISTAFEED'

Riboflavin Supplements

No. 1 - 5,000 mcg. per gramme

No. 2 - 1,000 mcg. per gramme

#### 'DISTAFEED'

Vitamin B<sub>12</sub> Supplement 15 mcg. per gramme

also in containers of 10 lb. and 50 lb., through your usual wholesaler.

Now more than ever it pays to display

DISTAFEED

brand

VITAMIN B12

STAFED

PIG AND POULTRY

FOOD SUPPLEMENT

AND ADAD POULT RY

SUPPLEMENT

PERE LIVERPOON

PERE LIV

THE DISTILLERS COMPANY (BIOCHEMICALS) LTD. DEVONSHIRE HOUSE, PICCADILLY, LONDON, W.1
F16/54A

NEW IMPROVED

PREVENTS BROKEN
BRITTLE NAILS

The Secret is the Vitaminised Cream and the Patent Massager Head ensuring full penetration under the Cuticle where the New Nail Growth starts.

Nutrina



### BONUS-TWO FREE

'NUTRINALL' are sent with your first direct order placed after 1st October, 1954 (minimum 2 dozen only). Refills too are on bonus. One unit free with each dozen ordered. This offer increases your basic margin ta 38%.

'NUTRINALL' retails at 3/9 inc. P.T., refills at 1/9.
Trade prices 20/- and 9/4 per dozen respectively ex P.T.



#### WITH EXCLUSIVE MASSAGER

Sister product to 'CUTIPEN' made by L.M.S. Froducts Ltd., Glasgow

Sole Distributors (U.K. & Overseas)

WALTER CROWE LTD., 3/4 Little Russell St., London, W.C.I Phone: CHAncery 6101 & 7051/2. Grams: Reliatines Westcent, Landon

# Aspirin | Calcium aspirin

# The best of both

Both aspirin and calcium aspirin, as generally prepared, have chemical and physical disadvantages. Aspirin is acid and sparingly soluble: calcium aspirin is unstable and unpalatable.

'Solprin' overcomes the disadvantages—combining the advantages—of both.

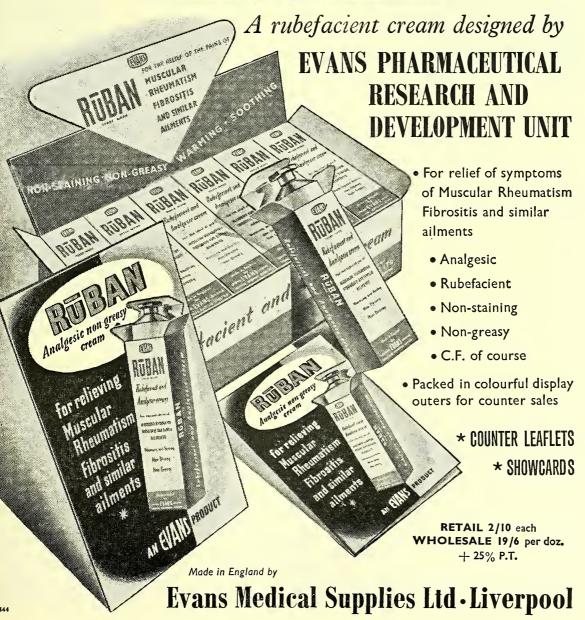
# SOLPRIN

Stable, soluble, palatable, calcium aspirin.

Solprin is not advertised to the public and is available only on prescription (U.K. and Northern Ireland only). N.H.S. basic price 7/6 for 300 tablets in foil.

# A new EVANS counter speciality





### **DUAL PURPOSE** FEEDER



This is sold complete with the "SKYLON" brand valve

teat and NO-GERM CAP. It combines all the benefits of

a feeding

bottle with the advantages of a food measure.

Additionally

the wide neck

permits of easier filling,

and the large

teat allows

the nearest

approach to

natural feeding

### SKYLON

FEEDING BOTTLE

#### P.A.T.A.

The new modern lightweight feeding bottle that no mother should be without. Indispensable at all times. Made of Pure Polythene. Safe and

- UNBREAKABLE
- HYGIENIC
- TASTELESS
- ODOURLESS

UNAFFECTED BY FOODSTUFFS

All standard teats fit neck. Will keep contents warm longer than any glass bottle



Manufactured by

FIBRENYLE LTD.

157 DUKES RD., LONDON, W.3

TELEPHONE:

Obtainable from your usual Wholesaler

PRINT

AS YOU

WISH

BUT IF YOU

WISH

FOR

SUPER PRINT

CONSULT

ALF. HARRISON & SONS LTD.

Carton, Medical and Advertising Printers

BURLEY ROAD, LEEDS, 4 Phone: 52668. Grams: Ideas, Leeds 4

Baby take a bow!

CREATE RECORD SALES



Hypak Nursery Bags keep Baby's feeding utensils, clothes, toys and bed linen completely protected from all germs, dust, dirt and dampness. They're ideal too for carrying soiled nappies and clothes when travelling or visiting. Mothers have been quick to realise the advantages of this new line which is making up record sales in Chemists everywhere. Retail price is 4/9 per pack. (Inc. P.T.)

To HYPAK DIVISION of The OPPENHEIMER CASING Co. (U.K.) Ltd.,

159-165 Harrow Road, London, W.2 Tel: PADdington 7431

As a.....(insert Retailer or Wholesaler)
I am interested in HYPAK Nursery Bags.

Name .....

(C&D 16/10/54) Address .....

Scottish Sales Depôt: Thornybauk, Fountainbridge, Edinburgh, 3 Telephone: Fountainbridge 1403

#### INDEX TO ADVERTISERS

Askit, Ltd. Aspro, Ltd.		Cussons Sons & Co., Ltd	
Bailey, Robert, & Son, Ltd. Barnett & Foster, Ltd. Benger's Laboratories, Ltd. Bengue & Co., Ltd.	42 10 9 55	Dae Health Laboratories, Ltd	13
Benton, T. L., & Co., Ltd. Biorex Laboratories, Ltd. Boutalls Chemists, Ltd. British Drug Houses, Ltd., The	8 50 46 10	Edme, Ltd	46
British Dyewood Co., Ltd., The British Industries Fair, Ltd. Britton, Malcolm & Co., Ltd. Burrough, James, Ltd. Burroughs Wellcome & Co.		Fibrenyle, Ltd. Fish Optical Co., Ltd.	54 54 52
Cadbury Bros., Ltd. Cannon Rubber Manufacturers, Ltd. Carnegies of Welwyn, Ltd. Cartwright, W. B., Ltd. Chemist & Druggist Poisons Guide Christy, Thomas, & Co., Ltd. Ciba Laboratories, Ltd. Coates & Cooper, Ltd.	35 22 iii 5 52 6 58 58	Gibson, Robert, & Sons, Ltd. Glover, Thomas, & Son, Ltd. Golden, Ltd. Gregg & Co. (Knottingley), Ltd. Griffin, David, Ltd.	50
Coales & Cooper, Etal Cole, E. K., Ltd. Compressed Paper Packing Ltd Cox, Arthur H., & Co., Ltd. Cresswell Bros. Sponges Crosskill, C. R., & Sons Crowe, Walter, Ltd.	32 41 8 48 46 1	Harrison & Sons. Ltd.	59 2: af

# TABLETS

### To any Formula

Our long experience of tablet manufacture is at your disposal. Exercising the strictest laboratory control throughout all production stages, we prepare tablets, coated or uncoated, to B.P., B.P.C., N.F., or customer's own formula, processing his own materials if desired. Our service includes your 'own name' labelling and packaging to meet individual requirements.

W. B. CARTWRIGHT LTD.

MANUFACTURING CHEMISTS

RAWDON . LEEDS



INDEX (cont.)	Phillips, Chas. H., Chemical Co., Ltd. 4 Pierson, Morrell & Co., Ltd. 6
Ilford, Ltd 57	Pifco, Ltd. 42
Imperial Chemicals (Pharmaceuticals), Ltd 53	Piver Perfumes
International Laboratories, LtdLeader Page	Potter & Clarke, Ltd 4.
international Laboratories, LtdLeader Tage	Progressive Novelty Industries (Manchester), Ltd 50
Jarvie, Hugh, & Co., Ltd	
Jeffreys, Miller & Co., Ltd	Rankin Brothers & SonsLeader Page
John John Co., 200, 111111111111111111111111111111111	Rayner & Co., Ltd 24
Kearsley, C. G., Ltd 50	Rees, L., & Co., Ltd
Keldon, LtdFront Cover	Ribbands, C., & Sons
Kellys, John (London), Ltd	Rose, L., & Co., Ltd 5.
Kemball, Bishop & Co., Ltd	
Kirby, H. & T., & Co., Ltd	Samuelson, P., & Co
Kirby, 11. & 1., & Co., Etd	Sanatogen Tonic Wine
Lastonet Products, Ltd	Saville Perfumery Ltd. 2
	Savory & Moore, Ltd
London Commercial Electrical Stores, Ltd., The 44	Scholl Manufacturing Co., Ltd
	Silvikrin Laboratories
Macdonald & Son, Ltd	Smith, T. J., & Nephew, Ltd. 1
Matthews & Wilson, Ltd 42	Societa per Azioni Industrie Agricole Meridionali 3
Max Factor Hollywood & London (Sales), Ltd 60	"Solprin"
Meggeson & Co., Ltd	Sorex (London), Ltd
Menley & James, Ltd	Standard Synthetics, Ltd., The 6
Mining & Chemical Products, Ltd	Surgical Hosiery Co., Ltd 5
Mitchell, L. A., Ltd	
"Myers of Old Street"	Tintex DyesLeader Pag
•	Wallis, A. D. (Plasticians), Ltd
Niblett, C. PLeader Page	
Northern Ireland Distributors, Ltd	Washington Chemical Co., Ltd., The
Trottleth Heland Distributors, Etd	
Oppenheimer Casing Co. (U.K.), Ltd., The 4	West Pharmaceutical Co
Orridge & Co	Wiles, C., Ltd. 4
office & CoClassified Section	Williams, Chas., & Co. (Surgical & Sports, Ltd.) 6
Perry's Powders, Ltd	Wilson & Mansfield, Ltd
	Winsol, Ltd
Pfizer, Ltd	Wright, Layman & Umney, Ltd
That made attent Early and Stray, Etc.	Zimmarmann Chas & Co. Ltd.
Philips Electrical, Ltd	Zimmermann, Chas., & Co., Ltd



# Terranycin\*

will be available for prescription both privately and under the National Health Service from NOVEMBER 1st, 1954.

#### **PROVED**

# BROADEST

### WELL TOLERATED

**SPECTRUM** 

### RAPIDLY EFFECTIVE

# CONVENIENT & PALATABLE PREPARATIONS

Experience in British hospitals over the past two years has confirmed the hundreds of reports obtained after four years world-wide usage.

TERRAMYCIN possesses the broadest spectrum of any antibiotic yet discovered.

TERRAMYCIN gives rise to a remarkably low incidence of side-reactions. Probably the most troublesome drug reactions in General Practice—nausea and vomiting are rarely experienced.

Under TERRAMYCIN treatment the majority of cases are afebrile within forty-eight hours and complete recovery rapidly ensues.

TERRAMYCIN is presented in a range of preparations providing practical oral, topical and parenteral therapy in children, adults and the elderly.

Pfizer World's Largest Producer of Antibiotics

PFIZER LTD. · FOLKESTONE · KENT · Tel: Folkestone 51771

\* Trade Mark of Chas. Pfizer & Co. Inc.



Manufacturers of medicinal and pharmaceutical products for those who place quality first.

### TABLETS PILLS PASTILLES

CREAMS OINTMENTS SUSPENSIONS EMULSIONS SOLUTION **TABLETS** SUPPOSITORIES

Finest "Own Brand" packaging service ever offered

ARTHUR H. COX & CO., LTD., **BRIGHTON** 



A Top Seller ... a Top Profit Maker

CHANDAU LACQUER in Spray Container

> Small size 24/- per doz. S.R.P. 3/6 Large size 36/- per doz. S.R.P. 5/6 (Containers in four pastel shades)

TAX FREE

ORDER FROM YOUR WHOLESALER OR DIRECT:

BENTON & CO. LTD. 186, SEVEN SISTERS RD., LONDON, N.7.

Telephone: ARCHWAY 2674/5



#### FIRST

### SAFE AND EFFECTIVE INTRAMUSCULAR IRON

BENGER LABORATORIES, who introduced the first intravenous iron preparation, now present a new and equally effective iron complex for intramuscular administration. ITS NAME IS IMPERON. The introduction of this new compound considerably simplifies the control of iron deficiency anæmias in both hospital and general practice. Note these advantages . . .

- **Imferon** is the first safe and effective iron preparation for intramuscular injection-equally suitable for general practice and hospital use.
- ★ Imferon is well tolerated. Reactions of the kind which have been reported with saccharated oxide of iron have not been observed.
- ★ Imferon produces a haemoglobin response identical with that obtained by saccharated oxide of iron. The response is thus predictable.
- ★ Imferon provides the equivalent of 250 m.g. of iron per 5 ml. injection; fewer injections are therefore necessary to administer the calculated total dose.

AMPOULES 2 ml. (100 mg. Fe.) boxes 10 and 100. AMPOULES 5 ml. (250 mg. Fe.) boxes 5 and 50. Fully-descriptive literature on request. A Technical Information Service is at your disposal.

# Imferon ...

Iron-Dextran Complex

A PRODUCT OF



RESEARCH

BENGER LABORATORIES LIMITED HOLMES CHAPEL CHESHIRE

Aspirin and phenacetin are effective and useful, and a sedative effect is obtainable if a barbiturate is combined with them . . . The reputation of codeine as a pharmacologically useful drug is at present waning, for the analgesic effect of the compound tablet of codeine B.P. is probably due more to its content of aspirin and phenacetin than to the ½ gr. (8 mg.) of codeine present. It is a weak analgesic even when given in full doses.

### Background to **TERCIN**

This combination of aspirin, phenacetin and butobarbitone is intended for the relief of those mild forms of pain for which Tablets of Aspirin, Phenacetin and Codeine have hitherto been prescribed.

Each tablet contains -Aspirin 5 grains Phenacetin 3 grains Butobarbitone ½ grain

For dispensing only Bottles of 200 at 4/10 ,, ,, I000 ,, 24/-

(BRIT. MED. J. (OCT. 25TH) II, P.

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Trcn/T/541

### Here come the

un-tang" Twins



- others may prefer Sun-tang SPARKLING but all will wish to try these new refreshing drinks for themselves.

Sun-tang is made from whole fresh oranges, with sugar and glucose. Eye-catching display material will assist sales.

Order "Sun-tang" NOW from your usual wholesaler or, write to:

ARNETT & FOSTER LTD: QUEENSBRIDGE ROAD, LONDON E.8 TELEPHONE: CLISSOLD 7132

MAKERS OF "NIAGARA" BLACKCURRANT SYRUP

#### IN PRACTICE \*

IT WORKS

- Bismuth Carbonate
- · Frequent Small Meals
- Adequate Sedation

This regime has been proved by clinical investigation to relieve symptoms and effect rapid healing, in cases of peptic ulcer. Bismuth carbonate in adequate dosage is unique in that it protects and soothes the gastric mucosa and at the same time effectively inactivates pepsin without unduly raising the pH.

Full illustrated literature and samples on request to

Bismuth Research Dept. MINING & CHEMICAL PRODUCTS LTD.

86 STRAND, LONDON, W.C.2

# SILCOT AND VENSILLA Towels

#### REDUCTION IN PRICES

As from 1st November, the prices of all sizes of Silcot Cotton Wool Towels, and of Vensilla Pure Cellulose Towels ("Soluble"), will be reduced. The quality remains the same.

All towels invoiced from 1st October will be at the reduced prices.

#### RATE OF PROFIT THE SAME.

The Chemist's rate of profit has not been affected by the change in prices

The rate is fully maintained.

#### THE NEW PRICES

SILCOT <sub>!</sub> [COTTON WOOL	TOW	ELS		Trade per doz. pkts.		Retail per pkt.
Size	0		 	18/9		2/1
	1		 	21/-	ь	2/4
	2		 	25/6		2/10
	3		 •••	31/6		3/6
	4		 	40/6		4/6

#### VENSILLA PURE CELLULOSE TOWELS

("Soluble")

Standard ... ... 15/9 1/9

TWO QUALITY TOWELS AT PRICES WHICH EVERYBODY CAN PAY—
PLACE YOUR ORDER NOW!

MACDONALD & SON LTD · HOPE MILLS · POLLARD STREET · MANCHESTER 4.

# Cut your costs to NORTHERN IRELAND

When you study rising freight and packing costs for Northern Ireland . . . ! You could save a lot if only you will ship IN BULK, and save separate parcelling and despatching, customer by customer.

That is exactly how the "N.I.D." Service works! Your goods are shipped in bulk to the N.I.D. Depot near Belfast, broken down on the spot, and then your customers obtain delivery within two days-anywhere in the Province! . . . A simple idea, but obvious . . . So write us for information.

# see what saves you

-post this coupon today!

To NORTHERN IRELA	ND DISTRIBUTORS LTD. • GLENARM • CO. ANTRIM • ULSTER
Please prove to me	that I can save money by using the N.I.D. service for Northern Ireland.
<i>NAME</i>	
ADDRESS	

Northern Ireland Distributors Ltd. (N.I.D.), Glenarm, Co. Antrim Distributors of Pharmaceutical and Food products and Surgical Dressings.



# PACKED TABLETS FOR COUNTER SALE

Manufactured by

RICHARD DANIEL

& SON LTD.

PRICE LIST ON APPLICATION

#### MANSFIELD ROAD, DERBY

TELEPHONE - - - 48266 (4 LINES)

ALSO AT ASHTON-UNDER-LYNE
TELEPHONE 2816 (3 LINES

A Rubefacient

Balm with an

important

difference \*\*

# Cremalgin

(for treatment of rheumatism, fibrositis and allied complaints)

On average 100,000 prescriptions for rubefacient balms are written monthly—testimony enough to the high degree of confidence which practitioners place in these preparations. Doctors have been quick to recognise the undoubted advantages of Cremalgin—a rubefacient cream of high quality.

One-third of all doctors in the country have now been supplied

with clinical samples of Cremalgin at their own request. An ever-growing number are prescribing Cremalgin, and a steady increase in demand can be expected.

Methyl Nicotinate 1.0%. Glycol Salicylate 10.0%. Histamine Dihydrochloride 0.1%. Caspsicin 0.1%. Excipient q.s.

\*Wholesale chemists can now supply Cremalgin in 1 oz. dispensing tubes at 21/- per doz. and in 1 lb. dispensing jars at 19/6 per unit.

#### West Pharmaceutical Company

Wood Lane, London, W. 12. Telephone: SHEpherds Bush 6262



TO YOU from 1st October 16/5 \* per doz. packets

\* QUANTITY DISCOUNTS now in operation—details have already been mailed to you

TO THE PUBLIC from 1st November 1/9 per packet

QUALITY UNCHANGED

# A new Dee-Geeproduct



We are pleased to announce to all our Professional and Trade friends that we have now perfected an entirely new and improved Bottle Heater. The attractive new model will supersede the well-known Dee-Gee Bottle Warmer which has been a steady seller for so many years.

#### \* Free with your Order

The illustration is a replica of the attractive display piece which fits into an actual Bottle Heater. A real sales bringer!

For full details, Trade Terms, Literature and Display Aids, write to the sole makers—

### DAVID GRIFFIN LTD.

POOLE, DORSET



Farmers with hill and moorland grazings who practise "open" lambing often find it impracticable to inject their new-born lambs with lamb dysentery antiserum. For them the accepted method of countering the disease is to vaccinate the ewes, in autumn and in spring, with "Wellcome" brand Lamb Dysentery Vaccine. The antibodies produced in ewes so vaccinated are passed on to the lambs in the colostrum (the first milk), thus giving them immediate protection.

The 'Wellcome' Vaccine is therefore needed now—to protect next season's lambs. Pharmacists should order stocks without delay and show them on their veterinary counters. The product is issued in bottles of two sizes, 100 c.c. and 250 c.c., providing sufficient for 20 ewe doses and 50 ewe doses respectively.

### 'WELLCOME' Lamb Dysentery Vaccine

PREPARED AT THE WELLCOME RESEARCH LABORATORIES, BECKENHAM, KENT



BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

R M A C EUTIC Established

# KIRE TO THE REPORT OF THE PARTY OF THE PARTY

1866

CIRCLES

Are recognised as pre-eminent in the manufacture of

# TABLES

ALSO

PILLS · CAPSULES · PESSARIES · SUPPOSITORIES
PENICILLIN PRODUCTS · OINTMENTS FOR THE EYE
SOFT GLYCERINE LOZENGES · PACKED PHARMACEUTICALS
STERILE PRODUCTS

Own materials processed Special Formulæ prepared

HOME AND EXPORT ENQUIRIES INVITED

Price List forwarded on application to :-

### H. & T. KIRBY & Co. Ltd.

Manufacturing Chemists, WILLESDEN GREEN, LONDON, N.W.2

Phone: Willeden 1146 . Telegrams: Kirbilim, Norphone, London Code: Bentleys (2)

Big year-round advertising creates steady year-round sales

Now Sanatogen is spending many thousands more to bring you the BIGGEST YEAR EVER!

**M**ORE THAN 1,000 large-space advertisements like these will appear in well over 100 different publications this coming year. If those are just numbers to you, let's put it this way:

Think of any important paper. Sanatogen will be in it. Not once, but over and over again. Think of the most-read magazines. Sanatogen will be in them. Month after month.

Now think of the people you meet. How many of them complain of "nerves", listlessness, fatigue? Multiply them by millions, and you get some idea of the tremendous market for this protein nerve tonic—a market these advertisements will be reaching, influencing, and selling!

The season for "nerves" is all year round. The season for Sanatogen is all year round.

\*Surveys show that 70% of the people in Britain take tonics. Of these tonics, SANATOGEN LEADS BY FAR!

### October 16, 1954

### Irritability and your nerves



ly, if you are perfectly healthy, little things not irritate you. But when your "nerves" start g oddly, even the sweetest natured person can itable and bad-tempered. Probably you blame yourself, truth is that it is not you, but your nerves that

#### How Sanatogen works

How Sanatogen works

The key points in the human nervous system are the nerve cells. If these cells do not receive enough protein and phosphorus they "starve", upsetting the entire nervous mechanism. To such cells Sanatogen feeds large amounts of concentrated protein, together with essential phosphorus. By activating nerve cells in this manner Sanatogen has a profound effect on the whole nervous structure, and helps to develop a normal, strong, stable nervous network.

#### cally recommended

ically recommended gen is fully recommended medical profession and used by doctors here and No other preparation ou what Sanatogen contains, used trials under medical sion have shown that ten makes an extraordinary ce to one's health.

#### For all forms of "nerves"

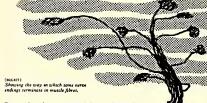
"Nerves" may take many forms
— sleeplessness, depression,
excessive worrying, irritability, lack
of energy, continual tiredness,
"run down" conditions, even "run down" conditions, even indigestion. By building up your nervous strength Sanatogen helps you back to full health.

Fram 6/11. Ecanamical family-



### Worry and your Nerves

**E CHEMIST AND DRUGGIST** 



Doctors have long recognised that an abnormal tendency to worry is mainly a matter of "nerves". People, for instance, with a healthy, robust nervous system rarely become habitual worriers. So if, in spite of yourself, you cannot stop worrying over small, everyday things, it is more than likely that your nerves need attention.

#### How Sanatogen works

A strong, efficient nervous system depends on the vitality of your nerve cells. Unless these receive enough protein and phosphorus they "starce", weakening your whole nervous fabric. Sanatogen boots the activity of these key cells by supplying them with large amounts of concentrated protein, together with essential phosphorus. By this vigorous tonic action. Sanatogen helps to correct "nerves", to develon necessary and to give your for develon necessary and to give your forms. to develop nervous energy, and to give you a strong, stable nervous system.

#### Medically recommended

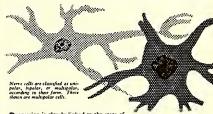
Medically recommended by the medical profession and widely used by doctors here and abroad. No other preparation gives you what Sanatogen contains, and clinical trials under medical supervision have shown that Sanatogen makes an extraordinary difference to one's health. You must try Sanatogen yourself.

#### For all forms of "nerves"

For all forms of "nerves" "Nerves" may take many forms— sleeplessness, depression, excessive worrying, irritability, lack of energy, continual tiredness, "run down" conditions, even indigestion. By building up your nervous strength Sanatogen helps you back to full health

From 6 ss. Ecanamical family size jar available.

### Depression and your Nerves



Depression is closely linked to the state of your nerves. Indeed, your whole outlook and attitude to life, as your doctor will tell you, are profoundly influenced by your nervous mechanism. The fault is not usually in yourself, if you are easily depressed and worried, but almost certainly in your nerves.

#### How Sanatogen works

Nerve cells are the mainsprings of the nerve system. These cells "starve" unless they receive adequate supplies of protein and phosphorus. Sanatogen feeds back into such cells the large amounts of concentrated protein, together with essential phosphorus. In this way Sanatogen promotes normal cell growth, develops nervous energy, and helps to build up a healthy, vigorous nervous system.

#### Medically recognised

Sanatogen is fully recommended by the medical profession and widely used by doctors here and abroad. No other preparation gives you what Sanatogen contains and clinical trials under medical pervision have shown that natogen makes an extraordinary ference to one's health. You ist try Sanatogen yourself.

#### For all forms of "nerves"

"Nerves" may take many forms— sleeplessness, depression, excessive worrying, irritability, lack of energy, continual tired-ness, "run down" conditions, even indigestion. By building up

Fram 6/11. Ecanamical family-size far available





depression sleenlessness irritability



Sanatogen makes you well again

### —and it doesn't cost you a penny to cash in on this extra advertising!

Now here's what you can do to make this big push pay off—and pay off handsomely. It's simple. Just display display—display Sanatogen! We give you all the material you need — counter cards, show cards, window cards. They were all designed by experts to do just one job make sales for you. They'll do that job if you use them.

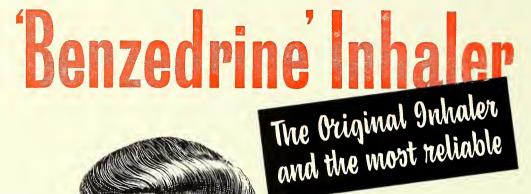
And, of course, don't get caught short. Everyone can now order Sanatogen on "best terms" and be sure of constant sales, no matter what the season!

**Stock Sanatogen!** 

**Show Sanatogen!** 

You're sure to SELL SANATOGEN!







Its high standard of accuracy will appeal to your customers no less than to you.

For convenient relief of nasal congestion with a volatile vaso-constrictor there is no substitute for 'Benzedrine' Inhaler.

Available to you at 13 for the price of 12, in handy display packs.

Retail price 2/- each

MENLEY & JAMES, LIMITED, COLDHARBOUR LANE, LONDON, S.E.5

for Smith Kline & French International Co., owner of the trade mark 'Benzedrine'

BIT104

# GIFTS OF FRAGRANCE THAT WILL BE IN GREAT DEMAND!

Saville perfumes have always been popular as Christmas gifts. This year, new packs and attractive counter displays combine with increased advertising to ensure larger sales than ever before. To obtain the full benefit of Christmas trade, place your order now.

#### PERFUME COCKTAIL SHAKER No. 101

A beautifully designed miniature cocktail shaker in gleaming gold metallised finish. A dozen in the eye-catching outer make a sparkling display in minimum space. Available in JUNE, MISCHIEF or SEVENTH HEAVEN.

Retail price 3/6.





#### RONDO PERFUME VANITY No. 102

An entirely new and revolutionary method of carrying perfume in a safe, attractive and convenient way. The gilded metal containers—for which refill bottles are available—are covered in washable grained plastic in a variety of colours—green for JUNE, blue for MISCHIEF, red for SEVENTH HEAVEN and ivory for CLIQUE. A permanent addition to the Saville range. Retail price 4/9.

# Saville

PERFUMES

WATFORD

HERTS

#### PARISIAN KIOSK No. 100

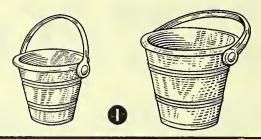
A multi-coloured replica of a Parisian Kiosk with typical French posters and striped awnings. The two windows each contain a bottle of Saville perfume. The outer carton provides a space for greetings message. Available with JUNE and MISCHIEF or JUNE and SEVENTH

HEAVEN. Retail price 5/6

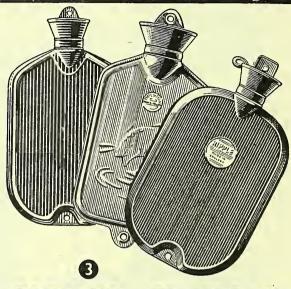


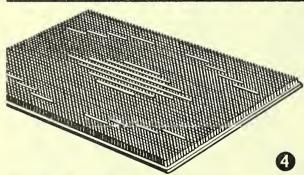
CRC O

# CANNON RUBBER QUALITY AND VARIETY

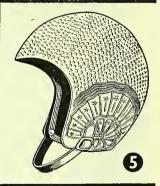


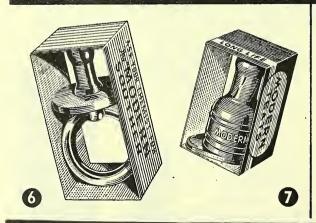






- I RUBBER BUCKETS
- 2 CHILDREN'S HOT-WATER BOTTLES
- 3 HOT-WATER BOTTLES
- 4 MULTI-PURPOSE MAT
- 5 BATHING CAPS
- 6 'MODERN' SOOTHER
- 7 'MODERN' TEAT





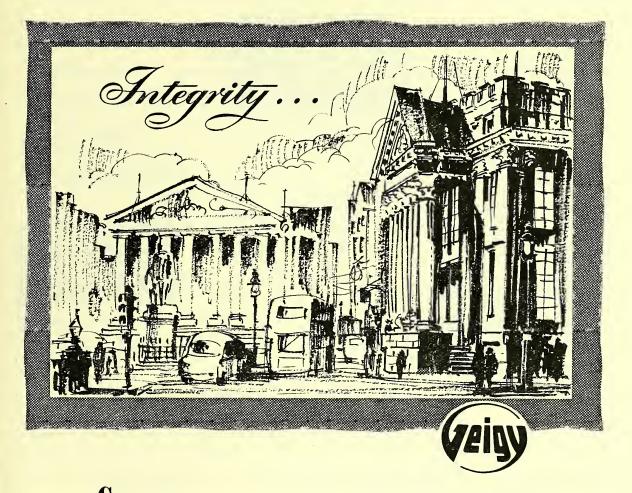
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### of "Quality"



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The Glucose 'plus' Tablet that sells the year round.



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# TO KUMFY KIDDY!

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# Look at these important selling points that NYLON FILM gives you...

DOES NOT HARDEN WITH USE

Nylon Film retains its soft firmness indefinitely in varying climatic conditions and has no tendency to perish. It does not harden and become uncomfortable in cold weather nor does it become tacky when warm.

**★** WATERPROOF AND WASHABLE

Carrying the famous LUX washability certificate—Nylon Film is easily washed in warm water with either soap or a good detergent. Continual washing will not harden or perish it.

It contains no harmful ingredients that will react with the body, it keeps baby fresh and clean and prevents soiling of clothes and bedding.

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Acid-bearing secretions from baby will not rot nor react with this remarkable material—unlike natural fibres and other materials, Nylon Film is not attacked by any body acids.

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PACKETS OR CASH, whichever way you look at it, chemists are now selling more Silvikrin Liquid Shampoo than any other brand. And some chemists are selling eleven times more Silvikrin shampoo than others because they are displaying it on the counter! You cannot make more profitable use of your valuable counter space.

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# PHILIPS PHILISHAWE



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# Get ahead now with the brighter, busier

# BIF of 55

The BIF of '55 is going to be a very lively affair—the first run by business for business. Publicity will be bold and challenging, and will bring in many more buyers from the home market as well as from the rest of the world.



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The basic cost of exhibiting in this new BIF will be lower than in any other comparable Fair in Europe... shell stand charges are down and so are those of electrical installations.

#### Streamlining . . . .

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Include this revitalized BIF in your marketing programme for 1955.

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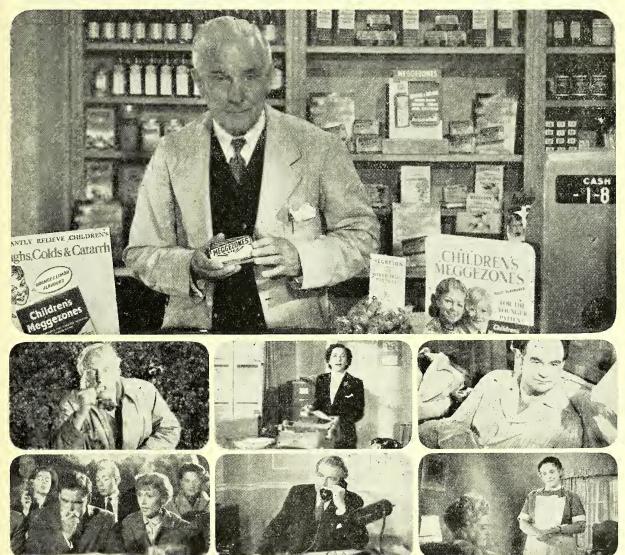
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October 16, 1954

MILLIONS OF CINEMA-GOERS THROUGHOUT THE UNITED KINGDOM WILL SEE THE NEW

# Meggezones ADVERTISING FILM



The new MEGGEZONES 2-minute live-action advertising film, PLAIN SPEAKING, will be seen by your customers in addition to advertisements in the press, on hoardings and on passenger transport vehicles. Make *your* pharmacy the final link in the selling chain in your district. Keep MEGGEZONES well on display from now on, in your window and on your counter and don't forget the new CHILDREN'S MEGGEZONES, containing G.G.E., which are being promoted separately by powerful advertisements in the leading "Mother Appeal" publications. Look to your stock now.

THE NAME BEHIND THE CHEMIST (



FOR OVER A CENTURY AND A HALF

Meggeson & Co. Ltd., London, S.E.16

### IT PAYS TO DISPLAY!

This NEW Sensational Foot-Relief
SELLS ON SIGHT!

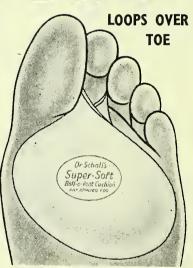


Free all-metal display stand with order for 2 Doz, pairs of Dr. Scholl's Super-Soft Ball-o-Foot Cushions, Few square inches of counter space . . . sells sensationally fast,

NATION-WIDE ADVERTISING CAMPAIGN NOW IN PROGRESS D-Scholls
SUPER-SOFT
BALL-O-FOOT
Cushion
LOOPS OVER

Chemists report sensational additional sales of this wonderful new foot-relief when it is prominently displayed. They say it quite literally "sells on sight." This, of course, is because it is so obviously what every man and woman needs for one of the commonest of all foot problems—the ball of foot soreness which is almost universal among those who stand at their work or walk a lot on hard pavements, and which is greatly aggravated among women by the wearing of high heels. You can prove this with great profit. Attractive all-metal counterstand with order for 2 dozen.

3/3d. per pair Retail. 26/- dozen wholesale (No P.T.) 1/1d. profit per sale.



PROV. PATENT PENDING NO. 30,080/53

Totally different from any other device for relief of tenderness, burning pain, callouses at ball of foot. A scientifically-designed, tailored cushion of Latex Foam. No adhesive, no strapping, no fitting problem. Invisible in wear. 2 sizes—No. 1, women's average size, No. 2, men's average size.





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Insulin, 'Wellcome' Protamine Zinc Insulin and 'Wellcome' Isophane Insulin (N.P.H.). A leaflet on the three new 'Wellcome' Insulin Zinc Suspensions will gladly be sent you on request.

#### 'WELLCOME' INSULINS



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON



### There's a genuine demand

for this new infant's bath

LIGHT to handle and, at the same time, virtually unbreakable, the 'Plastabath' is safer and much more convenient in use. Mothers are quick to realize these advantages and the fact that size and shape are just right. The material, too, is soft-surfaced, although tough and resistant to wear. Also there is the Ekco matching Plastapot for the nursery. Get in quickly with these new lines—there's a genuine market!



**PLASTABATH** with Stand 59/6 PLASTAPOT



PLASTABATH · PLASTAPOT

Trade enquiries invited; for terms and descriptive leaflet write to:



E. K. COLE LTD., SOUTHEND-ON-SEA, ESSEX

(Members of the British Plastics Federation)



### **Easy profits** within your reach

Created, packed and sealed in Paris by the worldfamous parfumeurs L. T. PIVER DE PARIS. The sort of perfumes no woman can resist; perfumes with matching face powders and soap. No wonder sales are soaring as the good news spreads throughout the country. Since we re-introduced PIVER perfumes to the British market sophisticated women everywhere have been acclaiming them with delight.

Extensive advertising in a variety of media is helping further to increase this demand — a demand in which enterprising retailers are already participating to good Well over 4,000,000 women see PIVER advertising every month; in National magazines, on cinema screens and in window displays. Attractive Display Units and Counter Cards are yours for the asking.

#### Note these retail prices:

Les Fleurs (8 fragrances) 9/11. Le Trèfle Incarnat, Floramye, Pompeïa, Rêve d'Or, Cuir de Russie, 14/8 and 19/11. Special pochette size, 5/11. Matching powders 6/3.



if YOU are not already sharing in the Piver success story write at

once to Sole Importers:—

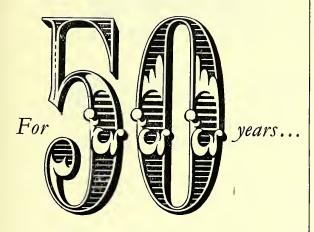
F. & G. TURNPENNY LTD.

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Telephone: London Wall 1316 (3 Lines)

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A SOAP LIKE WRIGHT'S



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#### **CERTIFICATE OF MERIT**

of the Royal Institute of Public Health and Hygiene



### **WRIGHT'S**

COAL TAR SOAP

Ideal for Toilet, Bath and Nursery



The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 162

October 16, 1954

No. 3895

#### **CONTENTS**

Antoine Baume	399
Chemists' Packs	389
Conference Science Sessions (	contd.) 404
Drugs in India	389
From Nottingham to Loughb	orough 393
Leading Articles:—	
Debate in the North-west	397
Pharmaceuticals in India	397
N.P.U. Conference at Southp	
Nursing Exhibition	
Pharmaceutical Society of	
Britain:—	
Council Meeting	400
Colwyn Bay Visit	
Production of Silicones in Wa	
Topical Reflections	
U.S. Mercury	
•	
Branch Meetings 391 New Con	
	the Week 385
Business Changes 391 Overseas	
	408
Correspondence 398 Personali	
Deaths 391 Photogra	phic Notes 392
Information Wanted 396 Price Ch	
Inquests 395 Print and	d Publicity 408
Irish News 388 Scottish	News 388
Legal Reports 390 Trade M	arks 407
Local Officers 408 Trade N	otes 392
Marriages 391 Trade Re	
N.H.S. Statistics 395 World T	rade 407

INDEX TO ADVERTISERS, Pp. 5 & 6.

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Phone: Midland 2921

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Extra 15% on 5/6 jars Extra 10% on 3/9 jars Extra 5% on 2/2½ jars

THESE extra discounts are in addition to normal display parcel terms which are —

On orders value £3/10/0 to £7 display discount of 5%. On orders value £7 and over, display discount of  $7\frac{1}{2}\%$ .

And these parcels can include Valderma tubes, Valderma Soap, Valopto Eye Lotion, Valpeda Foot Balm.

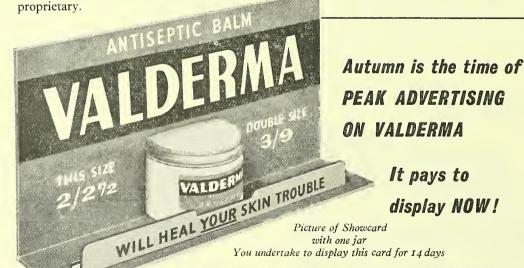
Compare your profit on Valderma with that on any other pharmaceutical

Valderma 1/8 Tubes 12/3 per doz. plus P.T. Valderma 2/6 Tubes 18/4 per doz. plus P.T.

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Valopto  $2/4\frac{1}{2}$  16/9 per doz. plus P.T. Valpeda  $2/1\frac{1}{2}$  15/- per doz. plus P.T.



OFFER CLOSES 30th OCTOBER 1954

Volume 162

OCTOBER 16, 1954

No. 3895

# **Antibiotics on Prescription**

#### ARRANGEMENTS WITH MANUFACTURERS

THE Ministry of Health has arranged with the manufacturers concerned for aureomycin and oxytetracycline to be available on prescription from November 1.

Tetracycline is also being made available to hospitals in the National Health Service from October 15, in forms suitable for oral administration and injection (including forms suitable for oral administration to young children), and to general practitioners through the regional distribution centres, for the treatment of the same conditions as are specified for aureomycin and oxytetracycline.

MONOPOLIES INQUIRIES
Unfair to industry?

AT the annual meeting of East and West Riding members of the Federation of British Industries, held in Sheffield recently, Sir Harry Pilkington (president of the Federation) said that though the Monopolies Commission were trying to administer an Act as fairly as they could within the limits laid down, the present prescribed method of operation produced a "real sense of injustice in the minds of responsible people in those industries about whom a report had been made." He believed that the commission paid little attention to complaints from outside, but suggested that, when some practices were found by the commission to be contrary to the public interest, the findings were based on statements whose reliability had not been tested and which had not been disclosed to the industry concerned, so that they were not able to refute them. The commission's report was sent first to the Board of Trade, and only disclosed to the industry at the same time as to the public.

PHARMACY CONGRESS
Plans approved

THE Franco-British Pharmaceutical Commission met in Paris on October 8, and all members—Mr. Arnal, Professor R. Fabre, Messrs. Morice and Gaudin (France); and Messrs. J. C. Hanbury, D. W. Hudson and H. S. Grainger, Professor A. D. Macdonald (Britain); with Mr. M. Laurent and Sir H. Linstead (secretaries)—were present. The commission approved plans for lecture tours in France and England in 1955, and for a Franco-British pharmaceutical congress in Folkestone in the spring of that year. The commission

also met Mr. K. H. Palmer, who is commencing research work in the faculty of pharmacy of the University of Paris as the first research scholar appointed by the commission. The British members were the guests of the organisers of the Journées Pharmaceutiques Françaises at a banquet on October 7, which concluded the week's meetings and exhibition organised by French pharmaceutical bodies in the buildings of the faculty.

# HOSPITAL LEAVE Call-up arrangement

AN agreement reached by the National Health Services General Whitley Council recently provides that N.H.S. officers who are called-up for National Service are entitled to annual leave proportionate to the number of completed months served during the year. Where leave in excess of that has been taken in good faith, no refund is required. If the officer is unable to take the full amount of leave due, the balance can be taken on his return to the N.H.S. The agreement does not affect employees of local authorities, nor medical or dental staff.

# CATALOGUES ON SHOW Printers' exhibition in London

ONE hundred trade catalogues selected from about 1,500 submitted were on display at an exhibition organised by the British Federation of Master Printers and the Council of Industrial Design (see C. & D., May 29, p. 542). The exhibition was opened in London

on October 12 by Mr. Henry Strauss (Parliamentary Secretary to the Board of Trade). The exhibits included catalogues entered by Allen & Hanburys, Ltd.; Carnegies of Welwyn, Ltd.; Joseph Crosfield & Sons, Ltd.; Imperial Chemical Industries, Ltd.; Monsanto Chemicals, Ltd.; and Quickfit & Quartz, Ltd. A small number of foreign exhibits included a catalogue entered by Laboratoires Roussel, Paris, France. The exhibition is at the head-quarters of the British Institute of Management, 8 Hill Street, London, W.1, October 12-23. Later it is to tour provincial centres.

# ENTIRELY PICTORIAL Photographic Society's exhibition

THE Royal Photographic Society's autumn exhibition at 16 Princes Gate, London, S.W.7, is this year monopolised by pictorial photography. It is open until November 6. The large number of entries dictated the decision that the autumn exhibition should each year be devoted to pictorial photography, with an additional annual exhibition featuring other aspects in the Spring (in May 1955: architectural, commercial and industrial photo-By far the largest number of graphy). overseas entries for the present exhibition (125) came from America. Over 300 exhibits are colour prints or transparencies, at least eighty being stereo-scopic. A print "Old Tyme Street Scene," by F. H. Plaster, East York-shire, includes a pharmacy complete with pestle-and-mortar sign. The saturday, 10 a.m. to 7 p.m. Later it is being transferred to the Deffett Francis Art Gallery, Swansea.

# FILM CONGRESS Medical titles announced

THE following medical films are being shown at the eighth annual congress

and festival of scientific films in Rome (see C. & D., August 14, p. 151):— "Tubegauz" (Scholl Manufacturing

FILM STAR AT SOAP WORKS: Miss Patricia Medina, currently starring in the film "The Black Knight" recently visited the factory of Cussons, Sons & Co., Ltd., at Kersal Vale, Manchester. She is seen inspecting a machine on which talcum powder tins are filled.



Co., Ltd.); "Dissection of a Mosquito" (Wellcome film unit); "Sensitivity to Antibiotic Injections" (Central Office of Information); "Streamline Flow in Veins" (Wellcome film unit); "Conjoined Twins of Kano" (Stanley Schofield Productions, Ltd.); "Hydrocolloids and their use in Operative Dental Surgery" (D. N. Allan); "Urine Analysis for Diabetics" (Eothen Films, Ltd.).

# HOSPITALS DISCUSSED At Labour Party conference

AT the Labour party conference in Scarborough on September 30, Mrs. LEGGETT, Kingston-on-Thames, moved a resolution expressing concern at the growing arrears of hospital maintenance, and urged the executive to hold a national inquiry into the state of hospitals with a view to press-ing the Government to allocate adequate funds. She alleged that at her local hospital at Kingston the fireescapes were in a bad condition, and there was insufficient money for bandages and drugs, so that minor casualties had to be sent elsewhere. W. L. GRIFFITHS (National Union of Public Employees), seconding, said that tens of thousands of skilled and experienced staff had left in the past few years, and hospitals were now recruitthe dregs of the employment market." They soon left, however, and the solution to staffing difficulties was in rates of pay and conditions of service. The resolution was agreed to in principle by the executive. When the chairman of the Kingston Hospital Management Committee, Mr. T. R. Starr, was told of the resolution, he said that a contract had been placed for the repair of the fire-escapes, but he had no knowledge of patients being sent away for lack of bandages or drugs. Mr. Starr admitted that it was a "frightful job" to manage on the money, and maintenance work was always in arrears.

# COST OF DRUGS A "simple and fair solution"

WRITING to the Economist of September 25, Mr. John Cochrane, Hazlemere, Bucks, suggested that if the Government insists on a system of rigid price control of drugs, pharmaceutical research in Britain will come to an end, while in other countries where the same control of profit was not envisaged, cher would thrive. chemotherapeutic research The products of that "world levels" for no manufacturer abroad could allow his specialities to be sold at lower prices in the United Kingdom than elsewhere. The grant of compulsory patent licences so that the drugs could be manufactured in Britain would lead to counter measures by the countries in which the inventions were made. Suggesting "one very simple and fair solution to the cost of drugs problem." Mr. Cochrang stated that in the lem" Mr. Cochrane stated that, in the domestic market, the Ministry of Health should insist upon manufacturers providing an undertaking that they were not offering their products under the National Health scheme at prices above "current export value."

#### FARM CHEMICALS

And the balance of nature

SPEAKING at the jubilee conference of the Association of Applied Biologists in London, recently, SIR JOHN RUSSELL said that the new insecticides, fungicides, plant hormones and herbicides gave great powers of conrol, but they also raised a host of new problems. "Nature's population of plants, insects and other small animals is very varied, but some sort of mobile rium has been established.
drastically potent new agents eguilibrium may disturb the equilibrium with consequences that cannot yet be fully foreseen," he said. Referring to weed destroyers, he pointed out that probably half of the country's cereal crops were now being sprayed. The saving of grain had been estimated at 3 cwt. an acre. If that figure were accepted weed destroyers saved the country some half million tons of grain a year. The manufacture of those herbicides has become an important new chemical industry, happily largely in British hands.

#### PLYMOUTH STATISTICS

REPORT of the activities of the Plymouth Pharmaceutical Committee, covering the three-year period from July 1, 1951 to March 31, 1954, shows that payments to chemists in 1953-54 totalled £192,809, compared with £199,029 in 1952-53 and £220,867 in 1951-52. Payment for rota services in 1953-54 was £1,372 compared with £1,428 in 1952-53 and £1,420 in £1,428 in 1952-53 and £1,420 in 1951-52. Of eighty-seven prescriptions for drugs and eighteen prescriptions for appliances tested during 1951-54 under the drug testing scheme, only six were referred to the pharmaceutical service committee. The total cost of prescriptions dispensed in the area rose from £210,154 during 1951 to £228,843 in 1953. The number of prescriptions fell, during that period, from 1,153,565 to 1,116,497. The average cost per to 1,116,497. The average cost per prescription rose from 35.49d. in 1949 to 49.19d. in 1953. During the three-year period from 1951-54, only two complaints were made against pharmacists in the area by members of the public.

#### CHEMIST'S £100 PENALTY

A BIRMINGHAM chemist, who was alleged to have been overpaid by £69 as a result of inaccuracies relating to the number of prescriptions he had dispensed, has been fined £100 by Birmingham Executive Council. Investigations followed information from the joint pricing committee that the chemist had sent in inaccurate statements and invoices relating to prescriptions dispensed during six months in 1953 and five months in 1954. Before the hearing on September 22, the chemist wrote to the Council expressing regret for the mistakes which he said were due to "inadvertent clerical errors." The committee were not satisfied with his explanation and the Council decided to recommend to the Ministry of Health that the sum of £69 which he had been overpaid should be withheld from his remuneration and that he should be fined £100.

#### GOODS TRAFFIC BAN

A MAP showing how the ban on the loading and unloading of goods vehicles in Central London is spreading (see C. & D., August 28, p. 198) has been issued by the Traders' Road Transport Association and the Road Haulage Association. Diagrams show that while in January 1953 the total street length affected was 1,400 ft., by now the ban embraces over five miles of thorough-fares. The main restriction arises from unilateral waiting experiments in which goods vehicles are not being given the normal facility of being allowed to deliver from the "no waiting" side of a street when there is no space available on the permitted side. An official report on London traffic congestion is quoted as recommending unilateral waiting only "after adequate off-street parking has been made available."

#### POLIO VACCINE

AT the international poliomyelitis conference in Rome, Dr. J. Salk of the university of Pittsburgh said recently that it should be possible to provide long-term immunity with relatively few spaced injections of vaccine. During the same session, Dr. H. Muench of the Harvard School of Public Health stated that the protection given to clinical cases of poliomyelitis by mass prophylaxis with gamma globulin was found to be statistically significant following experience in twenty-three areas of the U.S.A. in 1953.

#### UNPROFITABLE COUNTY?

RADNORSHIRE was described as "a very poor place for chemists" by the clerk of that county's Executive Council at its meeting in Llandrindod Wells recently. He was referring to the fact that for Radnorshire the average total cost per patient of the National Health Servicc was 7s, 3d., compared with 14s, 4d, per patient for the whole of Wales.

#### DRUMMOND MEMORIAL

THE memorial fund for Sir Jack Drummond, late scientific adviser to the Food Ministry, has reached £31,612, and it is announced that the first Drummond Research Fellowship for studies in nutrition has been awarded to Dr. J. McIntyre, Postgraduate Medical School of London, Hammersmith

#### KIOSK BEING REMOVED

A TELEPHONE kiosk which has stood in the same spot for over twenty years is being removed by the G.P.O. at the request of Mr. Walter Egginton, M.P.S., Sedgley, Worcs, because he believes that the presence of the kiosk spoils the effect of redecorations carried out at his shop at 6 Bull Ring, Sedgley.

#### RETAIL SALES IN JULY

RECENTLY issued Board of Trade figures show that sales of chemists' goods by large retailers were 8 per cent, higher in July than in June, and 9 per cent, higher than in July 1953. Comparative figures for independent retailers were 9 per cent, higher and 6 per cent, higher respectively.

#### **NEWS IN BRIEF**

MR. S. R. Brockbank has been appointed Secretary of the Society of British Soap Makers.

THE National Health Service Joint Committee on Prescribing has prepared a final report, which is being published towards the end of October.

An Order published as S.I. 1954, No. 1234, exempts titanium dioxide from the *ad valorem* import duties for a period of six months from September 27.

A Box marked "temporary night safe" was placed over the night safe of Lloyd's Bank, Ltd., in Croydon, recently, but the trick was discovered before any money was lost.

FIFTEEN cars took part in a twenty-mile treasure hunt arranged by the Bournemouth Pharmaceutical Association, from Verwood, Wimborne, to Burley, Ringwood, on October 3.

THE South-west Metropolitan Hospital Pharmacists' Committee has written to the Minister of Health asking him to publish in full the Linstead report on hospital pharmacy.

THE Minister of Health has agreed with the British Medical Association that an inspection of doctors' surgeries and waiting rooms shall be undertaken by local medical committees.

It is believed that at least sixteen million working days are lost annually through rheumatism, and the Empire Rheumatism Council is appealing to industry for funds to finance research that may ultimately abolish that loss.

THE refinery of the Esso Petroleum Co., Ltd., Fawley, Southampton, was visited on September 29 by members of the Bournemouth Pharmaceutical Association, who heard a lecture on the work of the refinery before being conducted round the plant.

#### **SPORT**

Golf.—ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, at the Orsett golf course on September 12. Annual competition for the Jordon memorial trophy, Winner, E. H. Elworthy, Medal round won by A. Talbot.

EDINBURGH CHEMISTS' GOLF CLUB, at Newbattle, recently. Competition for the Duncan tankard. Winner, J. E. Budge (9), 72 (better inward half). Scratch and No. 1 section handicap, H. Semple (4), 72; No. 2 section, A. M. Dinwoodie (18), 73; No. 3 section, J. White (24), 74.

SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, at Cuddington golf club, on October 6. Stableford competition for the president's prize. Winner, G. L. Sturgeon, 33 points; runner-up, C. J. Martin, 31 points; third, D. Lavender, 31 points, Visitors' prize, F. Berry, 32 points; runner-up, R. Penton, 29 points.

UISTR CHEMISTS' GOLFINO ASSOCIATION, at the Holywood golf club on September 29. Captain's day competition. Captain's prize won by J. Kennedy, 69 net; runner-up, R. Foye, 70 nct; best gross, E. Allen, The annual dinner and musical evening followed, Mr. C. J. Hall (captain) in the chair. The guests included Messrs, H. Campbell (president, Ulster Chemists' Association), C. Collin and P. Fahey (captain and secretary, respectively, Irish Chemists' Golf Club), Mr. A. Steede, on behalf of the retail members, presented to the wholesale members a trophy in memory of Mr. W. McCutcheon, the first captain of the Ulster Chemists' Golfing Association. The trophy was received by Messrs. C. Hall and R. J. Jeffers.

## TOPICAL REFLECTIONS

By Xrayser

#### Pharmaceutical Education

Your contributor "Dominie" (p. 375) exhibits a broad outlook on education far removed from that heresy which has caused him to seek the protection of anonymity. The difficulty of achieving the necessary balance between the practical and theoretical is not easy of accomplishment. Mr. Squeers realised the advantages, as he put it, of the practical mode of teaching. "C-l-e-a-n, clean, verb active, to make bright, to scour. W-i-n-d-e-r, winder, a casement." Having learned so much, the pupil of the redoubtable Squeers proceeded to clean the back parlour window. We are bound to be faced for a long time with the apparently conflicting views of the academician and the general practitioner. But it is most refreshing to find in "Dominie" a teacher who is in close touch with modern practice, and who realises the advantages to be gained from a refresher course in the hard school of experience. What does the future hold? Your contributor is obviously a pharmacist of the old school, with what tends to be regarded nowadays as an old-fashioned training. The recruiting ground for the teachers of the future is not likely to produce the practical man who has written such an understanding article as "Dominie." Mr. Hudson, in his address to the Branch Representatives at Oxford, drew attention to the over-emphasis on aseptic technique in both training and examination, and that is only one example of many that could be quoted. The earlier in life the student is brought up against the realities, the sooner does he appreciate the type of work he will be called upon to do. If the practice of pharmacy is to remain in its present form, the training must be such as to produce the competent all-round practitioner. The specialist can develop later along the lines in which his inclinations lie.

#### Virginian Snake Root

It is comforting to know that certain of our scientists have decided not to neglect the plant kingdom in their researches, as is shown by your report (p. 380) of investigations into the chemistry of Aristolochia serpentaria. There is a vast field still scientifically untapped. Dr. Mitchell, in discussing the paper at the Science Sessions, rightly expressed the view that the pendulum of modern research seemed to have swung too far towards the synthetics. Many of the crude drugs discarded by successive editions of the British Pharmacopæia may yet yield reward to the inquiring scientist and to mankind. Strangely enough, it was not the appearance of serpentary root which gave it its name, but its supposed efficacy as a cure for the bite of the rattlesnake. Cornuti, in the early 17th century, took notice of the drug, as did Parkinson in 1640, and ten years later serpentary found a place in the London Pharmacopæia. Hanbury, in 1879, referred to a bitter principle that could be obtained by precipitation, using lead acetate or tannic acid, and he suggested at that time that the substance merited further investigation. The research work of the Glasgow School of Pharmacy, as shown at the Conference and at the Evening Scientific Meetings in Edinburgh, is a noteworthy contribution to our knowledge.

#### Arnold Bennett

The desire of the Stoke-on-Trent Corporation to change the name of Market Place to Bennett Place is, in many ways, praiseworthy. As you point out in your leader (p. 373), the corporation feels that the indebtedness of the area to the famous author warrants recognition by the best means it can devise, and they must be a trifle upset that their proposal has not been received by the business community of Market Place with that degree of enthusiasm which inspired them to make the suggestion. There is, of course, much to be said for a historic name like Market Place, and mere Bennett is a poor substitute. The business men may take more kindly to Arnold Bennett Place. I, who have no right whatever to offer any opinion, hazard that it might be more acceptable than, say, Lessways.

#### SCOTTISH NEWS

#### DRUG COSTS PAST PEAK?

REFERRING to the costs of the National Health Service, MR. G. Mc-IVER, Brora, Sutherland, in his presidential address to the annual conference of the Scottish Association of Executive Councils in Aberdeen, recently, said that many people recently, said that many people believed that the greatest scope for economy in the Health Service at the moment lay in the cost of drugs. The steadily mounting cost, however, was not of itself proof that extravagance existed. No accurate survey could assess the value of the money spent on drugs in terms of the nation's increased health. Until there was some means of calculating the productive time saved by the more recent advances in medical science the question of cost could not be dealt with objectively. Mr. Mc-Iver gave as an example the treatment, a decade ago, of pneumonia. He said that at its worst it was then a killer disease. At its best it inflicted on its victims many weeks of illness followed by further weeks of convalescence. Today the malady was seldom fatal and the period of incapacity had been sub-stantially reduced. The "ever-increascost of the pharmaceutical service was referred to as "one of the most disturbing problems of the N.H.S.", by MR. H. R. SMITH (secretary of the Department of Health for Scotland) at the conference, Since the publication of the Cohen classification of proprieof the Collections that the collection of proper trary drugs, the average cost per prescription had fallen from 5s. 6d. in July 1953, to 5s. 2½d. in September 1953. Unhappily, that improvement was not maintained, although the figure of 5s. 5<sup>1</sup>/<sub>4</sub>d. per prescription for the first five months of 1954 was no doubt lower than it would have been but for the publication of the Cohen classification. When the problem was subjected to careful analysis, it might well be that the Drug Accounts Committee would not only be casting critical eyes on overaverage prescribing, but in the light of a new and fresh approach would investigate thoroughly cases of apparent under-prescribing. "There is parent under-prescribing. one great danger in over-emphasising this question and that is that many young doctors may tend to look on any attempt at eliminating waste as an effort by lay administrators to circumscribe their inherent right to prescribe what they, in their opinion, consider the patient requires." The latest figures suggested that the peak in the rapidly rising yearly cost of the country's drug bill may have been reached.

#### PRESCRIPTION FRAUDS?

IT was reported at a meeting of Glasgow Executive Council on September 16 that five apparently fraudulent prescriptions were being investigated. 500 tablets of Dexedrine had been obtained by means of the prescriptions. The prescriptions in question appeared to have been written by a person who was not identifiable and they were signed by a doctor whose name was not on the Medical Register. The matter had come to light only because

of the activity of the Drug Accounts Committee, and it was not known how many more cases there might be. THE CLERK of the Council (Mr. Souter) said that the Department of Health had under consideration at the moment, the question of printing a serial number on prescription forms. It was suggested that executive councils should keep a note of the doctors to whom the forms were issued so that the source of a prescription could be traced although it would not necessarily identify the person who had written it. Mr. Andrew Officer (a member of the Pharmaceutical Society's Scottish Executive) said the report by the clerk showed that it was fairly easy for a person to procure illicitly prescription forms. The chemist had an obligation to investigate a signature with which he was not familiar. He should check that the person signing the form was on the Medical Register, and he might even have to go further and verify that the signature was a genuine one. That procedure was always carried out under the Dangerous Drugs Act. On the suggestion of Mr. Officer it was agreed unanimously that a letter should be sent to all chemists on the list of the Council drawing their attention to those requirements.

#### **EXAMINATION RESULTS**

THE following candidates satisfied the examiners in the Intermediate examination held by the Pharmaceutical Society in Scotland in September:

Ayrton, Constance M., Nelson; Black,

Ayrton, Constance M., Nelson; Black, Muriel, Portobello; Brown, Isbel M., Kelso; Brown, J. S., Newcastle-upon-Tyne; Calder, M. R., Doncaster; Chaston, Valerie C., Sunderland; Doig, Margaret A. G., Anstruther: Durning, F., Glasgow; Dyson, Dorothy, Leeds; Farmer, Mavis, Durham; Gordon, Frances M., Larbert; Holt, Patricia M., Manchester; Hunter, Margaret, Newcastle-upon-Tyne; Kemmett, J., Methil; Law, A. H., Sheffield; Lochhead, Mary J., Denny; Logie, Sheila G. M., Edinburgh; Lyle, Margaret B., Glasgow; McKay, Eileen S., Huntly; Monk, D., Easington Colliery; Robson, F. J., Sunderland; Ross, Sally M., Aberdeen; Sampson, Doreen R., Whitley Bay; Smith, D. J., Glasgow; Stalker, I., Dunfermline; Stead, J. G., Ossett; Sutherland, Jeanette C., Ladybank; Taylor, J. L. E., Dunfermline; Veitch, J., Peebles.

## IRISH NEWS

#### SHOPS LEGISLATION

THE exclusion of chemists and druggists from the general terms of shops legislation is recommended in the report of the Joint Select Committee on Shop Acts which was presented to the Northern Ireland Parliament recently. The report states that if those traders are included in the ordinary Shop Acts, so many exceptions have to be made anomalies are immediately created and administration difficulties cannot be avoided. The Committee considered that the trading of chemists and druggists should come under the control of the Health Services Board whose jurisdiction should be extended to give it the necessary authority to make recommendations to the Minister of Home Affairs who would be given power to make orders bringing approved recommendations into effect. The report points out that the Board already supervises a considerable portion of the work of the chemists and druggists, who have representatives on the Board who understand the intricacies and peculiarities of the trade.

#### STATUTORY COMMITTEE

THE name of James P. McFadden, 298 Merville Garden Village, Belfast, was directed to be removed from the Register of Pharmaceutical Chemists by the Statutory Committee of the Pharma-ceutical Society of Northern Ireland on October 5. He was found guilty of misconduct within the meaning of the Misconduct within the meaning of the Medicines, Pharmacy and Poisons Act (Northern Ireland) 1945, in that on or about February 6, 1953, he failed to dispense twenty-four compound phenacetin powders (B.H.P.) as ordered in a prescription, but in lieu supplied twenty-seven tablets. Mr. MALCOLM B. DAVISON, for the Society, said that on the date of the offence a Dr. Pritchard issued a prescription for twenty-four compound phenacetin powders B.H.P. and it was brought to the shop at which McFadden was employed after closing time. McFadden handed the prescription to an assistant to make up. On the following day the doctor was surprised to learn that the patient had obtained little relief on taking the medicine. He discovered that tablets had been given. Mr. Davison said that apparently the tablets were about onethird of the strength of the powders. If it had been simply tablets in lieu of powders of the same strength he did not think that it would be any more than a technical offence. Mr. W. F. PATTON (chairman of the Statutory Committee) commented that they were satisfied that it was a careless act for which McFadden must be held responsible. McFadden might have been able to explain that carelessness had he chosen to come before the Committee. His absence had put the Committee in a position that they had no alternative but to remove his name from the Register. The question of whether he had an adequate excuse for the carelessness could be considered if he made an application to have his name restored.

#### A CROWDED PROFESSION?

REFERENCE to pharmacy becoming a crowded profession in Northern Ireland was made by MR, W. H. BOYD, in his presidential address to the annual meeting of the Pharmaceutical Society of Northern Ireland held in Belfast on October 4. He said the time might come fairly soon when young qualified men would be coming forward with little or no hope of employment, Referring to examinations, Mr. Boyd said that the number of candidates coming forward was too large. MR. F. STOREY thanked the president for his work during the year, Discussed at the meeting was the possibly dangerous effect on dispensing services of the recent increases in the number of pharmacies in Northern Ireland.

#### DRUGS IN INDIA

#### Protection policy strongly advised

NOW that the Indian pharmaceutical report has been received in London it is possible to add to the fairly full summary given last week (C. & D., October 9, p. 365). The report, which runs to over 400 pages, states that imports of vitamin preparations under open general licence should be stopped and put on a separate quota which should be gradually reduced as indigenous production increases. Only imports of vitamins in bulk should be allowed under o.g.l. and that only until manufacture is developed in India. Where indigenous drugs are deemed adequate imports should be forbidden except to the extent of token amounts to act as an incentive for the maintenance of standards. Imports of unessential "patent" and proprietary medicines should also be restricted. The present heavy import duty on those was having a "salutary effect" and the duty should be continued. the duty should be continued and further increased as and when necessary. subsidise The Government should

laboratories for testing products and seek help from international organisa-tions like the World Health Organisa-tion towards that end. No "patent" or proprietary preparation with a secret formula should be allowed. Imports of quinine and other anti-paludics should be stopped (or subjected to a customs levy) in order to reduce the big stocks of Indian made quinine in the country.

The gested committee of inquiry sug-that the royalty fees for "essential" medicines should not exceed 5 per cent, and those for "non-essential," 2 per cent, whilst for basic drugs they suggest 3\(\frac{1}{2}\) per cent. Tie-up with foreign firms including participation in capital should be encouraged but in the pharmaceutical industry non-Indian capital should not generally exceed 49 per cent. To give a picture of the National Health Service in Great Britain the committee has gone to the United States for a report and quotes from the Journal of the American Medical Association.

#### LONDON NURSING EXHIBITION

#### Pharmaceutical products on show

PHARMACEUTICAL products more than forty companies were on display at the London Nursing Exhibition held in London, October 11-15. A Professional Nurses and Midwives Conference was held in conjunction with the exhibition and films provided by Ciba Laboratories, Ltd., I.C.I. Film Library, Marmite Food Extract Co., Ltd., Miles Laboratories, Ltd., Reckitt & Colman, Ltd., Scholl Manufacturing Co., Ltd., G. D. Searle & Co., Ltd., Smith & Nephew, Ltd., A. Wander, Ltd., and John Wyeth & Brother, Ltd., were shown. were shown. Among the exhibitors, British Schering, Ltd., London, featured a new indication for Oblivon elixir: as an anti-apprehensive in labour. Arthripax cream and tablets, a combined treatment for use in rheumatic diseases was featured by CLINI-CAL PRODUCTS, LTD., Richmond, Surrey. New sizes and packs of the company's products were displayed by CROOKES LABORATORIES, LTD., London, including a tube packing for Anabalm, Lacto-calamine in a 1-oz, bottle, a new 2-oz. size hand lotion and Lacto-calamine talcum powder in a sprinkler-top glass bottle. On the stand of GENATO-SAN, LTD., Loughborough, Leics, the company's new range of dermatologicals was on show, emphasis being laid on Sebbix, a new liquid shampoo containing tar derivatives and hexachloro-phene, for the treatment of dandruff.

#### Water-repellent Cream

Silicone Vasogen, a water-repellent dermatological cream incorporating the silicone polydimethylsiloxone, was shown by Lactagol, Ltd., Mitcham, Surrey. Macleans, Ltd., Brentford, Middlesex, were showing their indigestion powder, now containing aluminium glycinate, a modification previously made to the company's indigestion tablets. MILTON ANTISEPTIC, LTD., London, showed Miltheric, a fluid, previously marketed under the name Milsol, for the hygienic disposal of tuberculous sputum. Norgine Pharmaceutical Products (London), NORGINE LTD., were featuring Spasmoral, a combination of Normacol intestinal evacuant with bis-gamma-phenylpropylethylamine, a synthetic, non-toxic antispasmodic for the treatment of spastic and hypertonic constipation; also featured by the company were the anti-anaemics, Hepamult and Ferro-Hepamult, both formulas having been modified by the addition of vitamin B<sub>12</sub>, and Ferro-Hepamult also by the substitution of ferrous gluconate for ferrous sulphate. NORMAN PHETHEAN, LTD., Caterham, Surrey, had on display Analgic, a new type of hypodermic needle having a convex bayel which needle, having a convex bevel which is ground back on both sides, giving a broad fip which cuts an incision wide enough to ensure painless penetration and which is claimed to have a longer life and not to need resharpening.

#### New Antiseptic

RIDDELL PRODUCTS, LTD., London, were featuring a new antiseptic, Gomol, for which they are the distributing agents. Molefoam, a new adhesive chiropody padding, and elastic stump socks, in three sizes and with three degrees of tension, for modelling amputation stumps, were being shown by the Scholl Manufacturing Co., Ltd., London. Smith & Nephew, Ltd., were showing the new tuberculostatic, Nupasal-213. Featured on the stand of A. Wander, Ltd., London, were Alasil juvenile tablets, a "junior" strength of the standard tablet, neither coloured nor flavoured and having the dosage according to age-group stated on the label. WILLIAM R. WARNER & Co., Ltd., London, were featuring Tyrosolven antibiotic anæsthetic lozenges, and the company's other specialities bearing the recently-introduced newly-designed labels. JOHN WYETH & BRO., LTD., London, had on show two new products, Penidural all-purpose, a benzathine penicillin compound giving a high blood level over seven days or more, so that one injection suffices for the treatment of most penicillin-sensitive infections; and Probex, a preparation of saccharated iron and beef-liver extract for the treatment of hypochromic anaemias.

#### CHEMISTS' PACKS Problems of manufacturer

FACTORS that stifle new techniques in the packaging of pharmaceutical preparations were mentioned by Mr. C. F. Ross (Evans Medical Supplies, Ltd.) at a meeting of the Merseyside F. Ross (Evans Medical Supplies, branch of the Institute of Packaging recently. Among the obstacles that he mentioned were the 25 per cent. purchase tax imposed if a decorative packing was used or a trade mark incorporated, and accusations by the public of extravagance when special packs were adopted. Mr. Ross cited a woman's complaint to a Sunday newspaper that when she had bought a bottle of medicine she was issued with a plastic teaspoon. The manufacturer had supplied the spoon knowing that household teaspoons varied in capacity, and desiring to ensure that the patient received an accurate dose. The result was not, as might be expected, an appreciation of initiative and service, but a charge of ex-

travagance.

Mr. K. Lamble (of the Design MR. K. LAMBLE (Of the Design Research Unit), who presented a paper on "Packages and Packaging Design as a Sales Aid," said that in parts of northern Europe, the chemist was still very much "the coloured water and bottle chemist of the Edwardian era." Packages were crammed with directions and explanations. In Switzerland and Germany, packing was of cleaner design. More attention was given to layout and display, and there was less wording. In Switzerland particularly, bare details were given on the wrap or label, and full explanation relegated to a leaflet inside. The danger of using leaflets for directions was that they were lost or destroyed when the pack was opened. The compromise was probably to incorporate a precis of the directions on the packet and elaborate them on the leaflet. Phar-maceuticals were "doubtless the exception to the general rule that instructions were not read anyway.' Lamble said that fashions in packing were continually changing, and sometimes it was preferable to carry out improvements at regular intervals. With other products redesign might be carried out in say three stages over a period of ten years. To stimulate sales among younger women, some cosmetic manufacturers introduced a new feature in their pack each year. The packages of preparations intended for older and more conservative age groups were retained for longer periods.

#### HEROIN FROM UNIVERSITY LABORATORY

Counsel for Cambridge University watched a case at Clerkenwell magistrates' court, in which Michael Corcoran, a fitter, 175 Ross Street, Cambridge, appeared on remand on October 8 on a charge of being in possession of a quantity of heroin at Bernard Street, London, W.C.1, on September 16 with-out being duly authorised. Corcoran pleaded guilty. On September 16 police officers patrolling in a car saw a small group of men standing near a car parked in Bernard Street. The men appeared to be arguing, and the police saw a small paper parcel being passed round. As a detective sergeant approached the car defendant jumped out and tried to run away. He was stopped and found to have in a raincoat pocket a glass jar containing a white powder. It was found to be 147 gm. of heroin hydrochloride. He made a written statement in which he said he was formerly employed at the Sir William Dunn Institute, Cambridge, and the medical superintendent used to get him to dispose of various bottles of chemicals. About two years ago amongst the bottles sent down he saw one containing powder. It was labelled "heroin." He kept the bottle, and this year approached a man named Smith, at Cambridge, who told him it was a Dangerous Drug and worth £300. Smith said he would try to find some-one who could use it for industrial purposes and introduced him to a man. He was taken to London but there was an argument as to whether the stuff was genuine and he refused to part Then the police came up. with it. Prosecuting solicitor said Corcoran was employed from May 1952 to December 1952 as a handyman in the department of biochemistry at the University. He assisted when a certain amount of obsolete equipment was destroyed at a time when the laboratory was closed for maintenance and repair. All the chemicals should have been produced to the laboratory superintendent before disposal, but no Dangerous Drugs were produced. It would now appear that a quantity of heroin was missing. A detective sergeant said that the commercial value of the 147 gm. of heroin was about £25, but on the drug market it would be worth about £1,000. The magistrate suggested that there would be some "tidying up" at the University as a result of the casc. For the University the chief of the laboratory had made a statement to the police that Corcoran had assisted to clear out chemicals in 1952, but what he cleared out did not affect the Dangerous Drugs safe at all. The Dangerous Drugs safe received 149 or 150 gm. of the drug in 1946. Until the charge was brought it was, so far as the University knew, still there. Asked how he thought Corcoran got hold of the drugs, counsel replied "I don't know." Solicitor for the defence, said that Corcoran was not a drug addict. He was given certain articles to dispose of, and amongst them was the bottle in question. He did not want to make any criticism of the University, but it was

possible that there was some carelessness with regard to that particular bottle. It got into Corcoran's possession, and he did not know what it was worth or what it was actually used for, He did not know it was a Dangerous Drug. If he had known he would not have kept it for two years. He eventually got into touch with a man who was apparently a qualified dispenser and was told that the heroin was worth a considerable sum of money. The man said he would help him to dispose of it for commercial purposes only. defendant said that in no circumstances did he intend to get rid of it so that it fell into wrong hands. The magistrate, sending Corcoran to prison for six months, said that the case was serious and disquieting. The innocentserious and disquieting. The innocent-looking bottle produced in court contained 4,410 fatal doses. Apparently it had been missing from a laboratory at the University for two years, and whoever was responsible had been completely unaware of the disappearance of that vast quantity of Dangerous Drugs.

#### LEGAL REPORTS

#### Pharmacy Act Fine

AT Tottenham, London, recently, Albert Cottee, grocer, trading as J. Walcot & Co., Snaresbrook, Essex, was fined 20s., with £3 3s. costs, for a "technical" offence in selling at unregistered premises a statutory poison contained in a disinfectant. It was stated that in the confusion attending

the departure of a secretary the licence for the premises had not been renewed.

#### Receiving Charges

FOURTEEN Hull people—eleven women and three men—appeared before Hull stipendiary magistrate on October 8 on charges involving stealing or receiving goods belonging to Lofthouse & Saltmer, Ltd., manufacturing chemists, Leonard Street, Hull. The majority of the defendants were employees of the company. Goods involved included soap, tooth-brushes, nail-brushes, bath cubes, powder puffs, and cosmetics. Each defendant was granted bail until October 22. Three women who appeared at the court on October 9 on similar charges were similarly remanded.

#### "False Description" Charge

AT Liverpool, on October 8, Pinchin, Johnson & Associates, Ltd., trading as R. R. Minton & Co., 4 Carlton Gardens, London, were summoned for having sold a type of kerosene to which a false description, namely "household turpentine" had been applied. The prosecution was brought under the Merchandise Marks Act. For the Board of Trade it was stated that the liquid was extracted from petroleum, whereas turpentine came from wood. Mr. R. H. Montgomery, for defendants, said the term "household turpentine" had come into being in 1952, as the result of a demand for a turpentine substitute for cleaning purposes. The product was now being marketed under a new name decided upon in conjunction with the Board of Trade. Defendants were fined £20.

#### **NEW COMPANIES**

P.C .- Private Company; R.O. - Registered Office.

R. J. FARMER (CHEMISTS), LTD. (P.C.).—Capital £1,000. To acquire from Reginald J. Farmer the business of chemist and druggist now carried on by him at 16 High Street, Tutbury, Staffs. Directors: Reginald J. Farmer, M.P.S. (director, Farmer Brothers (Gresley), Ltd.), and Gladys A. Farmer.

J. D. REYNOLDS & CO., LTD. (P.C.).—Capital £20,000. To carry on the business of wholesale and retail chemists and druggists, etc. Directors: John D. Reynolds, M.P.S., Mary Reynolds, Basil Moorhouse, M.P.S., Hilda W. Reynolds and Dorothy M. Reynolds. R.O.: 55 Brown Street, Manchester.



H. S. Carpenter



E. E. Blake

DIRECTORS OF KODAK, LTD. (see below)

# Company News Previous year's figures in parentheses

HORLICKS, LTD.—Group profit for year ended March 31, before tax, was £497,527 (£431,154). Tax provision was £284,088 (£226,865) leaving net profit at £213,439 (£204,289). A final dividend of  $16\frac{2}{3}$  per cent. is proposed making a total of 30 per cent. for the year (same).

KODAK, LTD.—Mr. H. S. Carpenter has been appointed chairman of the board in succession to Mr. E. E. Blake who is retiring after 51 years' service with the company. Mr. Blake will continue on the board and act as consultant to the motion picture division of the company. Mr. I. D. Wratten has been appointed a deputy managing director.



I. D. Wratten

#### BRANCH MEETINGS

HULL

Birdsgrove House in Colour Slides Coloured slides of Birdsgrove House were shown and commented upon by Mr. E. A. Brocklehurst (president of the Pharmaceutical Society) at a reception given by the Hull Chemists' Association in Hull on September 30. Mr. G. W. Hind (chairman of the Branch) referred to the winter programme and particularly to the inauguration of a luncheon club. He presented prizes to student associates of the Branch, the first prize of a British Pharmaceutical Codex, provided by Mr. Brocklehurst, to Miss Brenda McIntosh, and the Hull Chemists' prize, to the value of £2 2s., to Miss Margaret Vernon. The evening concluded with the showing of coloured slides made and introduced by Mr. H. Cartlidge.

#### **PORTSMOUTH**

Legal Advice for Pharmacists

MEMBERS of the Portsmouth Branch of the Pharmaceutical Society at a meeting in Southsea on September 28, heard an address by Mr. C. C. Stevens, Ll.B., M.P.S. (assistant sccretary, Imperial Chemical (Pharmaceuticals), Ltd.), on "Pharmacists and Common Law." Mr. STEVENS defined common law as law which has been handed down through the ages. A contract need not necessarily be a written agreement, but a verbal offer and acceptance was legally binding. It was not essential to have a witness to a verbal contract. He advocated caution in signing agreements particularly on house purchase and in-surance and said that after six years a debt could not be recovered unless re-cognition of it had been obtained from the debtor, preferably by the issue of a county court summons. On the subject of unordered goods sent out by manufacturers, he said that no action was necessary on the part of the recipient; such goods could be left for collection by the representative of the manufacturers, from whom reasonable storage and demurrage could legally demanded.

#### ROMFORD Colour Film

Addressing a meeting of the Romford Branch of the Pharmaceutical Society at Gidea Park on September 27, Mr. D. P. Ayres (Ilford, Ltd.) traced the development of the photographic colour process from basic principles. He said that the manufacturer of colour film had to decide on a suitable compromise of basic colour emulsion to be incorporated in his product. Three emulsions were commonly used, in conjunction with a filter layer. That resulted in values for the red, green and blue light constituents being registered in the emulsions. Mr. Ayres dealt with the many pitfalls present for the manufacturer and the user of colour film, and gave guidance to the user on the approach most likely to yield satisfying results, using slides to demonstrate his points. Replying to questions, Mr. Ayres dealt with comparative colour values as recorded

by colour film and the human eye, the limited use of filters in viewing unbalanced transparencies, the importance of colour values present in reflected light and their effects on the images on colour film, compensation incorporated in the film, the limitations of colour prints, and the importance of the use of the optimum exposure.

#### **MARRIAGES**

HAMILTON—LEITCH.—At Campsie High Church, Glasgow, on October 1, Robert C. Hamilton, M.R.C.V.S., 7 Springbank Terrace, Brodick, Isle of Arran, to Agnes Johnston Leitch, B.Sc., M.P.S., Burbank Cottage, Lennoxtown, Glasgow.

#### Golden Wedding

LEAN—CLARK.—At the Friends Meeting House, Evesham, on September 14, 1904, Wilfrid Lean to Elizabe.h Clark. Present address:—The



White House, Albury Heath, nr. Guildford, Surrey. Mr. Lean passed the Pharmaceutical Chemist examination in 1896. He will be eighty on October 18, and was for twenty-six years managing director of Francis Hallam, Ltd., Burton-on-Trent, from which position he retired nineteen years ago.

#### **DEATHS**

DOWIE. — Recently, Mr. George Dowie, M.P.S., 16 Falcon Avenue, Edinburgh, 10, aged seventy-four.

EILENBERG.—On August 18, Mr. Hugo Eilenberg, M.P.S., 39 York Avenuc, Stanmore, Middlesex.

GAULD.—On September 28, Mr. James Barclay Gauld, 138 Rock Avenue, Gillingham, Kent, and formerly 2 Aberdeen Gardens, Edinburgh, 8, aged seventy-one, Mr. Gauld qualified as a chemist and druggist in 1908.

HARDY.—In hospital, on October 7, Mr. B. C. Hardy, 41 Links View Road, Shirley, Surrey, aged sixty-three. Mr. Hardy was a representative of Sangers, Ltd., and had been with the company for forty-eight years.

JOHNSON. - Recently, Mrs. Mabel

Sarah Johnson, M.P.S., 21 Midway Road, Leicester, Mrs. Johnson qualified in 1923.

McARTHUR. — Recently, Mr. Donald McArthur, M.P.S., c/o Davies Chemists (Thurrock), Ltd., 79 St. Chad's Road, Tilbury, Essex, and formerly 22 Seaview Road, Brightlingsea, Essex. Mr. McArthur qualified in 1921.

PRENTICE. — On October 6, Miss M. Prentice. Miss Prentice was employed as a buyer by F. W. Hampshire & Co., Ltd., manufacturing chemists, Derby, for many years.

SLADE.—On October 3, Mrs. Florence Muriel Slade, wife of Mr. Ernest Leslie Slade, M.P.S., 3 Beresford Avenue, Tolworth, Surrey.

STEWART.—On September 10, Mr. Archibald James Scott Stewart, M.P.S., Downsmead House, Church Road, Chichester, Sussex, aged eighty-two.

#### **BUSINESS CHANGES**

**Appointments** 

SPA BRUSHES, LTD., Freeman Works, Chesham, Bucks, have appointed Mr. J. W. Clifford their sales manager.

PAINES & BYRNE, LTD., Pabyrn Laboratories, Bilton Road, Greenford, Middlesex, have transferred Mr. F. B. Diggins to their Central and North London territory from South Wales.

PERIHEL, LTD., West Mall Works, 27 Rabbit Row, London, W.8, have appointed Mr. Frank W. Berks their London area representative.

#### **OVERSEAS VISITS**

MR. J. P. FORD (chairman, Institute of Export) left London by air on September 22 for a tour of Latin America.

#### **PERSONALITIES**

MISS J. H. CHALMERS (secretary and cashier, Raimes, Clark & Co., Ltd., Leith, Edinburgh) who has retired after forty-four years' service with the company, was presented with a canteen of cutlery by Mr. C. C. Cumming (chairman and managing director) recently.

MR. W. J. OWEN, M.P.S., The Twt Hill Pharmacy, Caernarvon, is the director and accompanist of the Marden Singers, who sang for the enjoyment of the Pharmaceutical Society's Council at its Colwyn Bay meeting (see p. 402). The singers were first brought together by Mr. Owen seven years ago, since when those talented young ladies, whose ages range from twelve to sixteen, have given over 300 performances and travelled over 12,000 miles. They have broadcast twenty-six times and appeared twice on television. In the Coronation Day programmes in 1953 they were the voice of Wales, their broadcasts have been relayed to New York and Rome and they have made a three months' singing tour of Germany. The keynote of their success is, in the words of a critic in the East Anglian Daily Times, "discipline and originality," and for those qualities no doubt Mr. Owen has the principal claim to credit.

#### TRADE NOTES

An Improved Bottle Heater.—David Griffin, Ltd., Poole, Dorset, have perfected an improved bottle heater to supersede the Dee-Gee bottle warmer for baby's feed, etc., that has been on the market for some years. A displaypiece sent free with orders fits into an actual bottle heater.

Two-minute Film. — A new two-minute film, "Plain Speaking," to pro-mote the sales of Meggazones, has been produced for Meggeson & Co., Ltd., Llewellyn Street, London, S.E.16,



by Pearl & Dean, Ltd., London, W.1. The film, a "still" from which is shown, is to be included shortly in programmes at cinemas throughout the country. In its preparation the producers received help from a number of practising pharmacists, who readily provided objects and stocks to give authenticity to the pharmacy depicted in some of the scenes.

Wadless Tube Closures.—The makers of the wadless tube closure illustrated last week in the C. & D. (p. 371) are Flexile Metal Co., Ltd., 796 Holloway Road, London, N.19. Messrs. Flexile Metal point out that they have no connection with the company to whom the closure was erroneously attributed.

In Freer Supply.—Sharp & Dohme, Ltd., Hoddesdon, Herts, state that adequate supplies are now available of Benemid (probenecid) for prolonging the activity of penicillin and promoting increased excretion of uric acid. Benemid is issued in bottle of 100 0·5-gm. tablets.

To be Available on Prescription.— From November 1 Terramycin brand of oxytetracycline is becoming available for prescription both privately and under the National Health Service. Terramycin is presented in a range of preparations providing practi-



FOR LONDON DELIVERIES: Not a space ship but a new fourteen-horse-power delivery van, the vehicle illustrated is being used by Macleans, Ltd., Great West Road, Brentford, Middlesex, for deliveries in the London area.

cal oral, topical and parenteral therapy in children, adults and the elderly.

Chafeproof Sanitary Towels.—Southalls (Birmingham), Ltd., Charford Mills, Saltley, Birmingham, 8, have introduced Blue Star sanitary towels, claimed to be completely chafeproof, protective and comfortable during use. The towels are issued in popular sizes in packets of 1 doz. A window-display unit and self-serve dispenser are available.

A Portable Laboratory. — Edward Gurr, Ltd., 42 Upper Richmond Road, East Sheen, London, S.W.14, manufacturers of Michrome brand biological stains, reagents, etc., recently equipped a fleet of passenger liners with portable outfits containing all the necessary tablet reagents and apparatus for testing drinking and boiler waters. The "portable laboratory," which the company are now adding to their range of products, is expected to be in great demand by shipping companies, expeditions, water engineers, schools, colleges, etc.

Anti-glare Glasses.—In praise of the Roadmaster night-driving anti-dazzle glasses (safety model), marketed by Fish Optical Co., Ltd., 261 Harrow Road, London, W.2, Duncan Hamilton (Grand Prix racing driver) who tested the prototype during the recent 24-hour Le Mans race, has written:—"As you know, I have tried your glasses in the 24-hour race at Le Mans in the most adverse weather conditions, and also during the twelve-hour race at Rheims, and I can assure you that I consider the Roadmaster safety glasses to be one of the finest assets in the interests of safety in use on the road today. They definitely quicken one's sight and, therefore, one's instantaneous reaction."

#### NEW PRODUCTS AND PACKS.

Tablets of Gramicidin.—Bengué & Co., Ltd., Mount Pleasant, Alperton, Wembley, are marketing a new Bengué-Bailly product, Gromdin tablets, containing 0.25 mgm. gramicidin in each. Gramicidin is an antibiotic indicated in the treatment and prophylaxis of affections of the pharynx, larynx, etc. The pack is a tin of twenty-five tablets,

Chlorpromazine Syrup.—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, announce the introduction of Largactil brand chlorpromazine hydrochloride syrup. This new presentation of Largactil is intended for adult patients to whom the administration of the product in tablets is impracticable or undesirable. Each fl. dr. (3.6 c.c.) contains 25 mgm. chlorpromazine hydrochloride, equivalent to the larger (25-mgm.) tablet. The syrup is available in bottles of 4 and 40 fl. oz.

Strained Cherry Food. — Trufood, Ltd., Green Bank, London, E.1, are expanding their Spoonfoods range of strained and homogenised foods by the addition of a new "sweet": cherries with semolina. The new puree forms a valuable addition to a range designed to educate the baby's palate from a

milk diet to more adult food. It is made from cherries, sugar, semolina and citric acid and, like all Spoonfoods, is packed in a glass jar and is a "chemists only" line. Distribution commences on October 22.

A New Liquid Make-up.—Max Factor Hollywood and London (Sales), Ltd., 16 Old Bond Street, London, W.I, are marketing a new liquid make-up, Sheer Genius, which is claimed to give the complexion "a more flawless,



petal-like loveliness than ever before, combined with a beauty treatment for the skin." The product has a lotion base with a lanolin formula. There are five shades (fair genius, tempting genius, glowing genius, gay genius, and sun genius). Sheer Genius is available for retail sale from October 25.

#### PHOTOGRAPHIC NOTES

Monochrome Prints from Colour Negatives. — Associated Ltd., 133 Oxford Street, London, W.1, point out that many photographic dealers are still sending colour negatives to colour processing stations for black-and-white prints. Both dealers and customers would gain more speedy service by having such prints made at the ordinary black-and-white finishers.

Direct Mains Projectors.—An 8-mm. film projector for direct mains operation has been added to the G.B.-Bell & Howell range of apparatus offered by G.B. Equipments, Ltd., 37 Mortimer Street, London, W.1. The new model, the 606H, operates on either AC or DC 200-250 volts, with line-voltage motor and lamp, and needs no resistance. It uses a line-voltage 500-watt lamp, whose illumination equals that of the standard universal model. The lamp is independently switched and may be turned off during rewinding or running off film leader, a feature introduced in response to demand. The machine is all-gear driven, cool running, silent in operation and has a powered rewind and still-picture clutch. Messrs, G.B. Equipments have also introduced a new 16-mm. silent projector for direct operation on mains supplies from 200-250 volts AC or DC without external transformer or resistance. The model (613H) uses a 750-watt mains voltage lamp.

## FROM NOTTINGHAM TO LOUGHBOROUGH

## Opening celebrations at a transplanted factory

EXTENSIVE internal reconstruction, over a period of eighteen months, culminated in the official opening, on October 4, of the Rexall Drug Co., Ltd.'s new premises at Loughborough, Leics. The Loughborough factory was acquired by the company to accommodate the 200 or so employees engaged in the manufacture of their products and those of their subsidiary company, Riker Laboratories, Ltd. New plant and equipment were installed and reconstruction and redecoration were still in progress when pro-duction commenced at the factory in April.

#### Opening ceremony

The interior is now almost complete, and Mr. Justin Dart (president of the Rexall Drug Co. in the United States) and Mrs. Dart, came from America for the opening ceremony, which was performed by Mrs. Dart. The polished wooden plaque unveiled by Mrs. Dart commemorated the official opening of the premises and was cial opening of the premises and was intended to be placed in the hall at a later date. Also present at the cere-mony were Dr. Wilkins (president of mony were Dr. Wilkins (president of Riker Laboratories, Inc., U.S.A.) and Mrs. Wilkins and the mayor and mayoress of Loughborough. In a brief speech of welcome, THE MAYOR (councillor L. W. Hull) hoped that the company would maintain their high position within the industry and add for tion within the industry and add fur-



OLDEST EMPLOYEE: The employee with the longest service with the company, Mr. Gough, receives a commemorative tankard from Mr. Justin Dart.

ther prosperity to Loughborough, After unveiling the plaque, Mrs. Dart wheeled into a lift (to represent the commencement of its journey) a trolley commencement of its journey, a close, holding a gift consignment of medicines and toiletries for St. Dunstan's. A further small ceremony took place later in the canteen, when Mr. Dart later in the canteen, when Mr. Dart presented a silver tankard to Mr. J. Gough, who had the longest record of service with the company.

#### Tour of factory

Before the opening ceremony, members of the Press toured the factory and saw stages in the manufacture and packing of the company's proprietaries and several hundred varieties of packed goods. They saw the packaging



COMMEMORATIVE PLAQUE: To mark the opening of the new premises a commemorative plaque has been installed. In the picture it is being unveiled by Mrs. Dart, in the presence of Mr. Justin Dart, the mayor and mayoress of Loughborough and Mr. Quantrill (managing director of the British Rexall company).

of many of those lines for export, a of many of those lines for export, a notable order being a recent one for vitamin capsules from Poland, the company's first order from eastern Europe. The activities of Riker Laboratories, Ltd., were also observed, including the extraction of the alkaloids of rauwolfia by percolation with chloroform and adsorption from alcochloroform and adsorption from alco-holic solution by means of ion-exchange resins.

#### Dinner party

In the evening of October 6 a private dinner party was held in London and Mr. and Mrs. Justin Dart entertained Professor Wilkins, vice-president of the American Heart Association.

in 1940 went to Boston University. He is now associate professor of medicine at Boston University School of Medi-cine; a member of the Evans Memorial department of clinical research and preventive medicine, Massachusetts Memorial Hospitals; visiting physician at the Massachusetts Memorial Hospitals; and chief of the hypertension clinic at Massachusetts Memorial Hospitals; and chief of the hypertension clinic at Massachusetts Memorial Hospitals. pitals. His publications, all on cardiovascular physiology and disease, include studies on peripheral blood flow, hypertension, hepatic and renal blood

At the dinner, Mr. Dart said that the Rexall laboratories at Loughborough were the only ones in Britain





After the opening ceremony Mrs, Justin Dart dispatched to St. Dunstan's a gift consignment of Rexall products, shown in the left-hand picture in front of Mr. Quantrill and the mayor of Loughborough. At right: Fellow workers of Mr. Gough admire the tankard that was presented to him.

Professor Wilkins graduated from Harvard Medical School in 1933 and had a fellowship until 1937 at the Boston City Hospital. After a year's research work in London at the National Hospital, Queen's Square, he taught for two years at Hopkins, and

at which research on Rauwolfia serat which research on Rauworpa ser-pentina was being done, and that, he thought, gave the company, though small by comparison with some other manufacturers of ethical preparations, the right to a place of respect in British industry.

## N.P.U. AREA MEETING AT SOUTHPORT

## Lancashire, Cheshire, Westmorland and Cumberland members in conference

NEARLY 200 proprietor chemists in the four north-western counties assembled at Southport on Sunday afternoon, October 10, for a special area meeting organised by the National Pharmaceutical Union, Mr. L. H. Teare (chairman of the N.P.U.) presided.

Judged only on the fate of the resolutions sent in for discussions the results of the conference were not of a very positive character, since three were lost, three withdrawn, and of the remainder that were carried one or two involved no action as an outcome. The conference was chiefly valuable for its free discussions of current topics and the demonstration it gave of the generally solid support for the policies of the Executive of the Union and in particular of the C.F. scheme, One practical outcome is likely to be the promotion of "action groups" in the branches to make more effective the local action taken in support of Executive policies.

#### Chairman's Address

The agenda followed the usual pattern for such conferences. A welcome to members was given by the chairman of the local Branch of the N.P.U. (Mr. W. M. Hepworth), followed by an address by the chairman of the Union (Mr. L. H. Teare). Mr. Teare said that the Executive comprised eighteen members all engaged in retail business and mainly in large industrial areas. They were expected to keep their ears to the ground, and the Union would not hesitate to use any suggestions passed on by them if they would promote the silent efficiency of the services provided.

General N.P.U. matters were reviewed by Mr. Philip Varley, Blackpool (Executive member representing N.W. electoral area, division 1). Mr. Varley gave a reminder that the National Health Service accounted for less than 40 per cent, of the national turnover of retail pharmacists. It was his personal experience that counter trade showed the better net profit. Mr. Varley reviewed the services provided by the N.P.U. and urged members to see that the advantages and value of membership were made fully known.

The first resolution taken in this section of the agenda was in the following terms:—

"That this meeting is of the opinion that the N.P.U. Executive Committee should recommend to Local Branches the formation of action groups, to make more effective the action taken in support of any policy decided by the N.P.U. Executive."

MR. J. Bolsom, who moved it on behalf of Manchester, Salford and District Branch, said it had been prompted by the visit of the N.P.U. representative, which had shown how valuable were personal contacts. MR. FREEMAN, Manchester, who seconded, said that more members would become actively interested in N.P.U. affairs if there were more such contacts.

MR. R. H. KEMP, speaking as local organisations officer of the Union,

commended the resolution. Many important matters could best be dealt with locally in the way suggested. The resolution was carried.

The second resolution dealt with Press comments and reports derogatory to pharmacists. Scnt in for the meeting's consideration by Birkenhead Branch, it called for "immediate action" to refute such reports. The proposer said there were often letters in the Press that could be answered, but local replies had not the weight that a reply from a Press officer would have. MR. R. W. HARRISON, Lancaster, thought the action recommended could be extended to advertisements containing such phrases as "and all good chemists."

MR. L. Mossop, Blackburn, said that it was often the trouble of those in responsible positions in pharmacy to induce members not to reply to Press criticisms. Locally they had been successful in inducing the editor of the newspaper to refer controversial matters on pharmaceutical subjects to the Association.

MR. J. WRIGHT (assistant secretary of the N.P.U.) refuted any suggestion that the Executive failed to take immediate action to protect the good name of chemists. He gave examples of action taken, but urged that wisdom did not always lie in rushing into print.

The resolution was withdrawn. A third resolution, critical of the N.P.U. price list, was moved by Mr. T. H. Banks on behalf of Southport Branch. Criticisms were also made by Mr. Lightfoot, Carlisle, and Mr. H. Geldard, Rochdale. The motion was withdrawn when Mr. W. TALVAN REES (vice-chairman of the N.P.U.) had outlined the basis on which N.P.U. prices were fixed and the impossibility of giving prices that were suited to all circumstances.

#### "Chemists Only "Wholesalers

The final resolution, put by MR. H. GELDARD, on behalf of Rochdale Branch, called for the publication of a list of wholesalers who undertook to supply to chemists only. Previously MR. MCLENAHAN (an assistant secretary of the N.P.U.) had reviewed the dispute with Reckitt & Colman, Ltd., giving a warning that if there were any weakening on the part of chemists no manufacturer would feel bound to maintain his loyalty to pharmaceutical outlets for his products.

A member from Manchester criticised wholesalers who were refusing to handle certain ethical specialities. They were forcing chemists to go to wholesalers who supplied non-pharmacists

MR. L. Mossop, Blackburn, recognised that the Executive was trying to stop leakages of C.F. goods to non-pharmacists, but thought that not enough was being done.

MR. J. W. CROKER, Blackpool, said his Branch planned to approach wholesalers individually, but was postponing action until after the conference. They sought an assurance that wholesalers would adhere to the principles as well as the letter of the C.F. scheme,
MR. R. H. KEMP was in grave doubt

MR. R. H. KEMP was in grave doubt whether the list asked for would serve any useful purpose at the moment. Many of the best wholesalers had adopted the policy of opening no new accounts with non-pharmacists. It was also the policy of the Chemists Federation to accept no new wholesalers unless they confined their dealings to chemists. Chemists should buy other goods as well as C.F. products from those wholesalers who were their friends.

The resolution was carried by a large majority.

#### C.F. Matters

The next section of the Conference had to do with C.F. matters. It opened with a statement by MR. R. H. KEMP, who said the problem was to persuade the younger chemists of the need for C.F., which was great and becoming greater. If manufacturers were not to doubt the advantages of adhering to C.F. the fullest support was called for. Mr. Kemp gave details about the C.F. fortnight in January 1955, and announced that a meeting of C.F. manufacturers, wholesalers and N.P.U. members would take place during that month.

A resolution from Barrow Branch pledged full support for C.F. Its mover said that some might not realise all that was done by C.F. manufacturers. They were producing reliable products, every one with a fair margin of profit, and all creating goodwill.

He outlined a scheme by which Barrow chemists co-operated to select one C.F. product per month, concentrating attention on that and securing advertising support from the manufacturer. There was 100 per cent. support for C.F. in Barrow.

A bombshell was not exactly fired but rather gingerly handled by the secretary of the Southport Branch in the absence of the original proposer and seconder. It was to abandon C.F.! The actual wording of the resolution was:—

"That this meeting is of the opinion that the C.F. as it is at present organised, and with no power of enforcement, should be abandoned."

MR. T. H. BANKS explained that Southport Branch was not anti-C.F., but that some of its members thought that the N.P.U. should make it a condition of membership that all directions to members about C.F. products should be implemented.

A Liverpool member expressed the opinion that, without 100 per cent, support, the C.F. scheme was hardly honest. Another speaker said feelingly that it would be a tragedy to have to return to the conditions of 1935. The motion was badly worded. At all costs the C.F. scheme must be kept going. The proposal found no support.

The proposal found no support.
The next motion called for inclusion of the C.F. symbol on the packs of C.F. products. MISS A. M. G.

PHILLIP, Barrow, who proposed it, gave two good reasons. One was to ensure that assistants always knew, without referring to the pharmacists, which products were C.F. The other was to cause the public in time to to recognise and value the symbol as the guarantce of a good product. The

resolution was agreed.

In the next resolution, also by Barrow Branch, the scheme by Barrow secures 100 per cent. support in furthering C.F. sales was outlined by the proposer and seconder. The resolution was accepted as a direction to the Executive to try and secure local advertising support by C.F. manufacturers in return for full retail co-

operation by retailers.

National Three resolutions on Health Service matters were dealt with after introductory addresses by Mr. H. STEINMAN (N.P.U. Executive member for North-western electoral area, division 2), who urged members' wholehearted assistance in the fact-finding inquiry now in progress, and by MR. WRIGHT, who gave the most recent detailed information from headquarters. Mr. Steinman said that, while it was obviously important to the Ministry to have the facts in order to avoid possible extravagance, it was equally important to contractors that no action taken by the Ministry should be based on assumptions. The figures so far supplied by contractors were in the hands of an independent authority, where they would remain out of reach of both Ministry and N.P.U. Executive pending agreement on how they should be applied and how any stalemate that might occur should be resolved. He would say to the Ministry and the Public Accounts Committee that economy could be driven to become false and misguided. It could then hamper pharmaceutical exports, stifle pharmaceutical research, and lead to a lowering of pharmaceutical standards. Pharmacists had always given of their best and would continue to do so. In return, they demanded just and fair remuneration.

MR. WRIGHT gave figures showing the response by contractors in the factfinding inquiry, and pointed out that in certain circumstances financial help was available from headquarters to enable contractors to give the informa-tion sought. He mentioned that a similar inquiry would be taking place in the supply of trusses and elastic hosiery. In that inquiry the Surgical Instrument Manufacturers' Association and N.P.U were jointly interested. In pricing, the bureaux were up to date, and that had resulted in some re-arrangement of the work between the offices, which he explained. The Ministry had agreed to code EC10 forms before sending them out to doctors, but so far no practicable way had been devised. Methods of dealing with prescriptions that had to be referred to prescribers were also under consideration. At all times the Executive welcomed suggestions from members

Response to Inquiry

about N.H.S. matters. The three resolutions were all in the name of Birkenhead Branch. The first, presented by Mr. A. Broadwell,

called for an additional fee of threepence on each prescription returned by the pricing bureau to the pharma-cist for endorsement. Mr. Broadwell said he knew he would be shot down, but his purpose was to get something concrete done. He sought compensation for out-of-pocket expenses caused by a prescriber's ignorance. Mr. Dyson, who seconded, said that it was scandalous that, at times, chemists were asked to break the law. If the law was at fault, it should be changed.

A member from Rochdale supported the resolution "up to the hilt." penses incurred by contractors over referred prescriptions should, he said, be treated as out-of-pocket expenses and paid in full.

Mossop, Blackburn, that the contractor's difficulties would be simplified if the Executive Councils would take the responsibility for requiring doctors to submit properly

completed prescriptions.

MR. J. WRIGHT said that the Executive would deprecate having its hands tied by such a resolution, and when it was put to the meeting it was lost.

The next resolution was also lost, after MR. WRIGHT had declared that there was no valid basis for demanding that the minimum payment for any ingredient dispensed under N.H.S. should be 0.5d.

#### Few Formulary Critics

The final resolution was withdrawn. It was in effect a demand for National Formulary recipes to be submitted to practising retail pharmacists before acceptance. MR. WRIGHT pointed out that chemists had more than once been invited to send in suggestions for and criticisms of Formulary preparations. Only a handful of replies had been received.

Under "any other business," Mr. S. GREGORY, Whalley, Blackburn, moved a recommendation that the Executive should take measures to combat the propaganda of "so-called ethical remedies" at present so much used in ally, he feared, they would "knock the bottom out of" pharmacists' services.

Little support was shown for his

point of view when it was put to the

The meeting concluded with votes of thanks to the principal participants.

#### Ladies' Excursion

The ladies boarded a coach at 2.15 p.m. in brilliant sunshine for their afternoon excursion, leaving their "tyrants" behind. The route was by way of the promenade to Preston, crossing the River Ribble and continuing through Ribbleton and Longridge. At Whitewell, where the beagles meet for the hunting of the otter, fast flowing streams contributed to a setting of great scenic beauty. By way of Dunshop Bridge the party arrived at Newton, for tea at Parker's Arms on the bank of the Ribble. The return journey was over Waddington Fells and through the pretty village of Waddington itself. dington itself, on past the famous Woodcock Inn. through Clitheroe, and by Whalley Abbey and Preston to reach Southport again at 6.30 p.m.

#### **INQUESTS**

Open Verdict on Drug Addict.—At an inquest at Hammersmith, London, on Mrs. Georgina Robertson who was found dead in a Kensington hotel, a pathologist said that death was caused by paraldehyde. Mr. W. V. March, brother of Mrs. Robertson, said that his sister had been a drug addict for some years. "I am certain my mother some years. "I am certain my mother who lived with her did everything possible to control that addiction," he said. Dr. Gustav Kimerling, Kensington, said Mrs. Robertson had been his patient since 1949. "I have several times been called to hotels where she has been living, to find her in a state of collapse. Each time paraldehyde was found in the room." Mrs. Robertson was actually addicted to alcohol, but could not afford to buy whisky. She bought the paraldehyde from chemists' shops. Recording an open verdict, the coroner said "I am not prepared to say that she took an intentional overdose."

An "Old-fashioned" Remedy. — At a Chester inquest, on September 24, at which the coroner recorded a verdict of death by misadventure on a six-weeks-old child, a pathologist said that boric acid, thought until recently to be a harmless antiseptic, was now established to be dangerous. The child died in Chester City Hospital a few hours after being admitted with blisters round the mouth following administration of glycerin of borax to the throat as a remedy for thrush. It was stated that death was due to boron poisoning. Recording the verdict, the coroner said: "This inquiry has raised important questions affecting the use of medicaments other than under a doctor's prescription, and it may well be the source of investigation by those authorities concerned with infant welfare." The pathologist said that organs The pathologist said that organs sent to the forensic science laboratory Preston showed the presence of boron. The child must have consumed "quite a lot" of glycerin and borax. The mother told the coroner that she painted the child's mouth with glycerin of borax in order to keep it clean. It was an old-fashioned remedy and she had never been instructed how much to use. Replying to the coroner, the pathologist said that boric acid had been introduced as an antiseptic by Lister. There had been cases of poisoning resulting from application of the drug in some form. He thought the medical authorities should get it erased from the British Pharmaconceia.

#### N.H.S. ESTIMATES

LANCASHIRE. — Total estimate £5,398,000, of which £2,400,000 will be spent on pharmaceutical services.

DERBY.—Total estimate £464,058, compared with £474,082 in 1954-55. Estimate for the pharmaceutical services is £159,808, compared with £175,232 in 1954-55.

WILTSHIRE. — Total estimate for 1955-56, £999,261, compared with an estimated expenditure for 1954-55 of £1,011,403, and an actual expenditure for 1953-54 of £968,440. Dispensing



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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

#### Debate in the North-west

No major issues of pressing importance, possibly, came up for discussion at Southport at the special area conference of the National Pharmaceutical Union (p. 394). Some of the resolutions were obviously and even avowedly put up in order to provoke and stimulate discussion. The most obvious of those—a resolution to disband the Chemists Federation—lost much of its shock value because its formulators were not present to move it, and their deputies spoke from a sense of branch solidarity and without conviction. All the same it drew proof that, despite weaknesses in the C.F. scheme, and a fair amount of lip service unsupported by appropriate action, there remains a very solid and loyal backing for the idea. In the Furness peninsula, in fact, it has attained a degree of active support beyond which it seems impossible to go: 100 per cent. co-operation by proprietor pharmacists in the area; every one concentrating on a single C.F. product every month; local Press advertising by the manufacturer concerned, and so on. It is possible that other areas may be less naturally conducive to such co-operation. Most of its boundary is coastline, and its local paper has a hold on the affections of its readers that derives from the near isolation, geographically speaking, of the area. All the same, ideological fruits ripened in such a forcing-house can produce seed capable of germination elsewhere, and the conference requested the Executive to prepare the ground by securing local Press advertising by C.F. manufacturers in return for guaranteed retail display support.

Some of the other resolutions were lost and a few were withdrawn, and one can almost hear the charge laid that the conference was all talk and no do. So it was, but that was its function, purpose and value. Even if there had been at Southport, as there were at some of the earlier regional conferences, sharply controversial issues at or near white heat, only national conferences can compel action by the Executive. In the regions the members can hear from their officers and area representatives what is being done at headquarters, and what policies are being followed and why. The officers in their turn can note what echo their activities are awakening among their constituents; what new conceptions are emerging from the play of national events upon local habits of thought; and what new talent is observable to ensure the continued vigour of the Union. All those purposes were well served at Southport, and if no other permanent result should persist the creation of "pep groups" in each branch, which the Executive is being asked to promote, will be an enduring contribution to renewed vigour in an organisation that can never afford to become moribund.

#### Pharmaceuticals in India

BEHIND the report on the manufacture of pharmaceuticals in India (C. & D., October 9, p. 365, and this issue, p. 389) there is a laudable idea of setting a high standard of cleanliness, scientific accuracy, technical supervision and the use of qualified staff in connection with the manufacture of pharmaceutical products in that country. Any British company interested in export trade to or pharmaceutical manufacture in India should give the report most careful study, however, as the implications are wide and deep. One item of tremendous importance is the suggestion that the international patent laws should be abrogated to enable manufacturers to make sulphonamides, vitamins, hormones, etc., without having to pay royalties. It is difficult enough now to cover the cost of research without having the principal method stopped by a form of confiscation. That would damage an agreement which has been of great advantage to all civilised countries. We can imagine the dismay that would be felt by the Indian who, after years of research work, developed a new process only to find that other countries would not recognise his patent.

Everyone will agree that sub-standard or spurious drugs should be eradicated. Importers in this country and the United States have suffered greatly from the competition of such products. Closely associated with that aspect is the statement that "out of a total of 1,648 pharmaceutical factories in the country, 1,560 were small-scale factories; many of them were situated in insanitary places and their equipment was antiquated and inadequate." It would be helpful to know the proportion of them that were "foreign" owned. In any event it is a step in the right direction to impose high standards. On paper it is so easy to say that the penicillin factory now under construction should be expanded so that it could produce streptomycin, synthetic antimalarials, sulphonamides and vitamins. But what foolhardiness—to run risks that experience and training, not of one man only, but of teams of trained scientists including biochemists, physicists, botanists, as well as pharmacists and others, have overcome. To prevent, moreover, the imports of synthetic antipaludics because there are "ample stocks" of quinine in the country is surely an anti-social act. The present is a time when all the world can share the scientific advances of all countries, but the motive should always be need and never greed. Again, firms from countries other than India will view with alarm the suggestion that the existing agreements for a period of years, under the protection of which factories in India have been built, equipped and worked, should now be brought into line with a new set of principles as yet unknown. There must be mutual confidence between the parties: without confidence and security there can be no progress.

Drawing up lists of essential drugs may be a good thing, but no door should be closed so tightly that a new idea cannot get through. Only a few years ago such a list would not have included penicillin or any other of the antibiotics, or even the preparations of

the sulphonamide group, yet what a loss a country would suffer by keeping them out.

No one will object to properly organised collection, storage and marketing of home-produced raw materials. In fact, one could well add standardisation, so that the highest quality should always be available.

Whether it is wise or otherwise for the government to undertake the manufacture of drugs and fine chemicals is a moot point. For the government to encourage in every legitimate way the experienced producer with a background of solid achievement to manufacture some new line where costs might be high has been shown, both in England and the United States, to be a sound and good policy.

These are only a few points out of the many in the report needing careful consideration. The most impor-

tant thing of all is that the repercussions of such recommendations on Anglo-Indian trade can easily undermine, if not utterly destroy it, to the great detriment of both countries. If the implications in the report are carried to their logical conclusions, then eventually no new foreign firm will be able to commence business in India, no firm can manufacture products similar to any other firm's, no firm can process drugs not manufactured in India; and no private enterprise can long continue in the country.

It is to be hoped that, when the full and very long report has been fully studied, it will be found to be more co-operative in tone. Failing that, may a more tolerant attitude come with second thoughts. England and India are old friends, and should not only live and let live but live and help to live.

# CORRESPONDENC

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

#### UNORDERED GOODS

SIR,—Will you please insert in the next issue of THE CHEMIST AND DRUGGIST a notice to the effect that Plymouth pharmacists will not accept delivery of unordered goods.

WILLIAM F. E. EUSTACE, Secretary, PLYMOUTH BRANCH, NATIONAL PHARMACEUTICAL UNION

#### PORTRAIT WANTED

SIR,-I am endeavouring to make a collection of photographs of former pharmacists of this hospital and have been unable to trace a suitable one of William Martindale. If any of your readers could lend me a photograph or portrait which I could have copied I should be most grateful.

GOWER STREET, LONDON, W.C.1

T. D. WHITTET, Chief Pharmacist. UNIVERSITY COLLEGE HOSPITAL

#### THE EXPLANATION

SIR.—Your correspondent, Dearborn, Ph.C. (C. & D., October 9, p. 374), asks for what condition tab. codein, co. and tab. Veganin are prescribed for the same patient on the same EC10. From experience I would suggest that one lot of tablets were probably for mother's headaches and the others for granny's rheumatism! Probably verbal instructions were also given to the effect that father could take two for his cough, daughter one for insomnia, and a half tablet be given for baby's teething trouble! J. S. CLARKE WESTON-SUPER-MARE

#### **COUPONS**

SIR,—I have received this morning from D. & W. Gibbs (U.K.), Ltd., an advice to the effect that they are now distributing coupons to every household in my area entitling the recipient to elevenpence rebate on purchases of shampoo, soap and shaving cream. I am asked to display a window bill and showcard (provided gratis) enjoining the public to bring their coupons to me in order to get the rebate. I have already destroyed the show material and absolutely refuse to lend my hard-earned money to this firm, free of interest, until such time as the coupons are redeemed. Isn't it high time that chemists woke up to the fact that they are being used as "stooges" by Messrs. Gibbs to promote their sales? F. J. BREAN LONDON, S.E.15

## METRIC-IMPERIAL CONVERSIONS

SIR,—In your issue of October 2 (p. 339) you refer to Ramsay's mention in his Conference paper of the wholesale supply of drugs and galenicals in metric quantities. Mr. Hudson in his Conference paper referred to that change as a hindrance. There is no doubt that it is a most irritating hindrance to us. Look at the C. & D. pricelist alterations (October 9, p. 384)—cost in metric on the left, selling price in imperial on the right! The method of bulk supply should never have been altered without refer-ence to us. A most sensible change would have been to make the bulk sale of liquids by imperial measure. That really would have facilitated cost/selling price calculations.

SIR,—Xrayser's recent comment on the wholesalers' change-over to metric will, I think, find much support amongst retail pharmacists. For the wholesaler to buy and sell on the same system avoids all the irritating inconvenience of conversion which the retailer now has to put up with, but it is to be noted that, when the wholesaler buys on the imperial system, as with glycerin and sapo mollis, he then prices on the imperial, and that avoids the conversion which, in all other cases, he planks on the retailer. For dispensing it is no great inconvenience, but in the retailing of drugs, particularly the heavier ones, and those for which a special quotation is often required quickly, it is a nuisance I have found a solution by switching a certain amount of my drug orders to those from whom I can buy in the same measure as I sell to the public. In one instance a wholesaler provides me with equivalent prices in both systems.
FORDINGBRIDGE, HANTS
F. E. S. CLARKE

#### A VARIED CALLING

SIR,—When I run through your week's issue and note the variety of its contents I am always impressed with the able manner in which you cater for the different tastes of your readers. More than that, however, it brings home to me how varied are the aspects of business covered for so long by the calling of the "chemist and druggist." Some portion of your contents, I imagine, appeals to the majority of your readers. Not only are the subjects of your reports and articles directly connected with the pharmacist's daily activity of dispensing and selling, but most men have hobbies and interests of their own apart from drugs and frequently for them your special articles strike a note of interest. The articles on drug jars and mortars fascinate most pharmacists with a historical bent—so too fascinate most pharmacists with a historical bent—so too do the pictures you reproduce of old shopfronts and notable pharmacies. More professionally, of course, your medical notes provide interesting and necessary information for the pharmacist who has good contacts with local doctors or runs a good-class family business. He rubs shoulders all day with medical cases and remedial products, and these special articles give him just that accurate knowledge, the possession of which in his daily activities at once gives and inspires confidence.

LONDONIENSIS

LONDONIENSIS

#### HAZARDS OF A SALESMAN IN AFRICA

SIR,—British sales representatives, who rarely encounter anything more hazardous than a third-class road, have a life of ease compared with their colleagues abroad. Details of the rough touch life of of the rough, tough life of a representative in Northern

Rhodesia, as recounted to us by Mr. B. C. V. Wildman of the Prcmier Marketing Corporation, Ltd., may therefore interest some in this country. He wrote:—

Tomorrow we set off again for the second time this year for the long tour of Northern Rhodesia and for Christmas orders. The journey costs us each time approximately £100. It is a most hazardous journey. In one section alone there is a ninety-mile stretch with no tarmac at all. Driving on the dirt gives the sensation of riding on a corrugated iron roof. One travels, too, in a continuous cloud of dust for hours on end. It was on that section of road that in April we broke a main leaf spring and limped into Ndola, where we were charged £29 15s. for the spring alone. Last year on the same journey a passing car flung up a stone and broke our windscreen, a common occurrence out here. A new one cost us £22. Before such a journey the car always has to have a complete inspection and the spares one carries are almost enough to build a new car. Apart from the various wild animals one occasionally meets, which are another story, we have to travel sixty miles through the tsetse-fly area. Both we and the car have to be thoroughly sprayed in special sheds before going there.

LONDON

DELAVELLE, LTD.

#### VETERINARY CHANNELS

SIR,—Recently, Imperial Chemical (Pharmaceuticals), Ltd., introduced three new products for veterinary use— Hibitane obstetrical cream, pessaries, and intermammary cream. I am given to understand that a fourth preparation, Hibitane udder wash, will appear shortly. Since pharmacists are precluded by law from selling intermammary injections of penicillin except on prescriptions, most country chemists have been anxious, with their farmer friends, to find a reliable alternative that can be sold without prescription. From all reports, Hibitane would appear to fill the demand. However, Messrs, I.C.(P) have other ideas, and, departing from their normal practice, are restricting the first three products to the veterinary profession. As far as the Hibitane wash is concerned, however, as there are already a number of similar preparations on the market, it seems most likely that country chemists will shortly be approached to take this one product into their stock and push it for the manufacturers. Should that happen, I feel that here is the opportunity for us chemists to dig in our heels well and truly, and tell Messrs. I.C.(P) that we shall refuse to stock the one product unless given the right to stock all four of those preparations. It would not take many minutes for every country chemist to sit down now and send Messrs. I.C.(P) a postcard giving their views on this subject.

#### BRITISH FINE CHEMICALS AND THEIR USES

#### 19. POTASSIUM PERMANGANATE

THE range of uses to which potassium permanganate is put is perhaps much wider than a cursory inspection might suggest. In the medicinal field, it has been long established as a powerful deodorant, mild antiseptic, and general sanitary reagent, and is given primary recommendation for snake bites. Industrially, potassium permanganate is utilised in the preparation of a number of chemical products, in the refining of nickel, and in the extraction of copper and several of the rarer metals.

It is engaged in perfumery, photography, dyeing and other branches of the textile industry, in the extraction of wood waste by-products, in the preparation of staining compositions, in fluxes, and for purifying ammonia. The foregoing does not include many of the smaller uses for which it was formerly engaged, such as in the cleansing of brewing plant following treatment with oxalic acid. In the laboratory it represents one of the most important reagents, being required for various standard solutions, innumerable reactions, and in gas analysis, etc. So much demand has been made for the pure commodity that the earlier commercial variety of inferior quality, which contained appreciable manganate, but sufficed for disinfectant purposes, has been largely displaced. In general there are two qualities, but for special analytical purposes there is a preparation guaranteed free from sulphuric acid. The production process today is almost exclusively electrolytic, and comprises the use of either plain or diaphragm cells, using potassium manganate as the electrolyte. Alternatively, an extensive range of processes have been worked out for manufacturing it directly from ferro-manganese, using a solution of potas-

sium hydrate as the electrolyte, and engaging cells with and without diaphragms. For important analytical investigations, the greatest care has to be exercised that potassium permanganate in both solid condition and in solution is well protected from light, organic matter, and dust. The common conception that solutions of the salt will deteriorate has been proved to be erroneous if proper protective measures are adhered to. Deterioration entirely depends on the extent of concentration; for example, although a solution of 1 in 1,000 loses 2.6 per cent. after storing in a stoppered bottle for one and a half years, a solution containing 3 in 1,000 remains completely unaltered for the same period under comparable conditions. Unlike other commodities where the sodium salt usually replaces the potassium salt for economic reasons, potassium permanganate is cheaper because of manufacturing difficulties in getting the sodium salt properly crystallised out.

# ANTOINE BAUMÉ (1728-1804)

By W. R. BETT, M.R.C.S., L.R.C.P., F.C.S., F.R.S.A.

THE story of Antoine Baumé, who died 150 years ago, on October 13, 1804, is one of triumph—triumph over a humble origin, triumph over an imperfect education, triumph over traditional superstitions. Son of an innkeeper, he was born in the ancient and picturesque town of Senlis, some thirty miles north-east of Paris, on February 26, 1728. At an early age he was apprenticed to an apothecary at Compiègne on the Oise, where Joan of Arc was captured in 1430 and where in 1810 Napoleon first met Marie Louise of Austria. In 1745 he had the good fortune to become Claude J. Geoffroy's laboratory boy at the celebrated academy of sciences in Paris, where he made such good use of his opportunities that in 1752 he was appointed professor of chemistry at the collège de pharmacie before he had reached the age of twenty-five. A practical and enterprising man, he bought a pharmaceutical laboratory in the capital, where he manufactured chemical and medicinal products on a large scale. Possessed of amazing industry and versatility, he wrote extensively on methods of bleaching silk and dyeing fabrics, on the cement industry, and on the extinction of fires; he contributed 128 technical articles to the famous Description des Arts et Métiers between 1761 and 1789; he published essays on political questions under various humorous pseudonyms (Antoine Rabé, Mme. de Blanc-Noir, Guillaume le Résolu, le Distillateur de l'Art de Chimie); he established the first laboratory for preparing ammonium chloride; and with Pierre Joseph Macquer he stimulated the manufacture of porcelain in France, in opposition to Japanese products. Baumé's name has become attached to a hydrometer which he introduced in 1768 and which is often improperly spelt 'Beaume's' hydrometer. In 1718, Geoffroy formulated a doctrine of elective affinity, which was employed metaphorically by Goethe, and published the first affinity tables (tables des rapports). Those remained unchallenged until 1773, when Baumé proposed drawing up two separate tables to represent relative affinities at low and high temperatures respectively. His suggestion was carried into effect by the Swedish chemist Torbern Bergmann.

Baumé played an important rôle in the history of pharmacy by helping to overthrow some of its traditional superstitions in the shape of complicated formulas and nauseating ingredients. His most important books are Eléments de Pharmacie Théorique et Pratique (9 editions, 1762-1818) and A Manual of Chemistry, or a brief account of the operations of chemistry, and their products, translated by John Aikin, 1778. The translator's preface refers indiscriminately to 'M. Baumé' and 'M. Beaumé.' The academy of sciences in 1772 made Baumé 'adjoint chimiste' and six years later 'associé-chimiste'; in 1796 he became 'associé non résident' of the chemistry section at the Institut national de France. He died at Charenton-le-Pont, a suburb of Paris, on October 13 (?15), 1804, at the age of seventy-six.

#### PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

# "ALMOST UNIQUE" MEETING IN WALES

OPENING the public proceedings at the meeting of the Council of the Pharmaceutical Society in Colwyn Bay, October 5-6 (see C. & D., October 9, p. 361) Mr. E. A. BROCKLEHURST (president of the Society) said that the fact that the Council was meeting in Colwyn Bay made the occasion almost unique, for it had met outside England only twice. The first time had been in Edinburgh a few years previously, and it was inevitable that, some time, the council would meet in Wales. He wished to take the opportunity, on behalf of the Council, of congratulating Mr. Gwilym Hughes on attaining the high civic office of mayor of Colwyn Bay. Mr. HUGHES, in reply, said that the citizens of Colwyn Bay looked upon the meeting as a highlight in what was, as yet, only a short life of their town as a borough. He was grateful to all who had made it possible for his invitation to meet there to be accepted.

THE PRESIDENT reported with regret the death of Dr. Alfred Cox (formerly secretary of the British Medical Association). Dr. Cox had given special attention to the control of proprietary medicines, and had always attached great weight to the opinions of Sir William Glyn-Jones in that field. Dr. Cox's influence had always been exerted in the direction of closer collaboration between doctor and chemist. He became medical advisor to the Proprietary Association of Great Britain and aided them in the establishment of standards.

The Council resolved to send a letter of thanks and congratulation to the local committee at Oxford for their work in making the recent meeting of the British Phar-

maceutical Conference a success.

The Public Services Committee reported that it had taken note of the Whitley Council circular PH17, which came into operation on July 28, and provided for special leave and expenses for post-entry training for full-time hospital or health centre pharmacists (C. & D., August 14, p. 152). The Council adopted a recommendation that the Society should welcome the circular and take up again with the Ministry the question of the grant of similar facilities for pharmacists in the general-practitioner service. The Committee had considered the draft regulations amending the draft National Health Service (Superannuation) (Amendment) Regulations 1950-52 and decided to suggest to the Ministry that an explanatory guide should be published.

Miss Agnes Lothian (librarian to the Society) presented a report to the Establishment Committee on the International Congress for the History of Pharmacy held in Rome, September 6-11, which she attended for the Society.

#### Reciprocity Registrations

On the recommendation of the Law Committee, the names of twenty-six applicants for registration under reciprocity arrangements were approved, and it was agreed that five other applications be approved on submission of the required documents. It was reported that the names of sixty-six former members of the Society who had now paid the necessary fees and penalties had been restored to the register (C. & D., August 7, p. 137). One person whose name had been removed more than ten years ago was restored. The names of two persons who had not paid the retention fee for the current year were removed. THE REGISTRAR reported to the Committee that the addresses of forty sets of premises removed from the Register of Premises had now been restored on payment of the prescribed fees and penalties.

The Law Committee's report stated that, in July and August, the Society's inspectors and agents visited 2,060 authorised sellers, forty-one listed sellers, and 982 drugstore proprietors and similar traders. Fifteen cases of alleged infringements of the Pharmacy Acts were considered, and appropriate action taken.

The report of the Benevolent Fund and War Aid Committee showed that grants amounting to £102 had been made to a widow and a member. The Council approved recommendations for grants amounting to £442 in five other cases. One application was deferred. After reviewing the circumstances of annuitants the Committee authorised increases in the annuities of two beneficiaries by amounts totalling £17 9s. a year, and made special grants amounting to £50 for clothing and coal in two cases. The quarterly report of the Benevolent Fund to September 1954 showed that twenty-five grants amounting to £1,358 had been made against thirty grants and £1,492 in the same period of 1953. Receipts were £12,989, including subscriptions of £6,397, against £11,538 (subscriptions £6,348) in the September quarter 1953. From the War Aid Fund a grant of £25 had been made to one applicant, and the Council approved a grant of £156 to another. The Birdsgrove House Warden's report stated that in the month to August 16, forty-seven guests stayed at the convalescent home for an aggregate of sixty-eight weeks, against fortyfour guests and fifty-five weeks in the same month last year. In the succeeding month there were fifty-one guests and the aggregate was seventy-three weeks.

The Committee recommended and the Council approved payments from the Birdsgrove House fund for furnishing certain rooms at the House, or as advances for the furnishing of rooms undertaken by branches of the Society, the Committee having agreed that these items were urgently required. Recommendations for purchases of equipment for the entrance hall and lounges, and for lighting the drive, were also approved. Mr. F. G. Wells asked whether that expenditure was really necessary, as the house was refurnished when the Society took it over. THE PRESIDENT replied that in some cases the rooms were newly constructed, and in others refurnishing was necessary because

of wear and tear.

The Council decided that the next annual meeting and Branch Representatives' Meeting should be held on May 18 and 19, 1955, respectively.

## Onward from Galen A CURRENT CAUSERIE

DR. Wilfred Hill, chairman and joint managing director of the County Chemical Co., Ltd., Shirley, Birmingham, which he founded sixty years ago has announced his intention to retire in July 1955 at the age of eighty-seven. Mr. Hill holds that most men and women could retain their vitality and vigorous capacity for both work and play into their seventies and eighties: the secret is "a matter of selfmanagement" in one's daily habits.

PERHAPS there is an aspect of coloured tablets that escaped the predominantly male audience at the recent Conference Symposium Session. The Manchester Guardian recorded recently in its Miscellany Column that a young woman had some rather attractive blue tablets prescribed for her frequent colds. With an eye for colour she decided that the blue shade was just what she wanted for a dress. She and the tablets toured the shops until she found some matching material, which was duly made up into a dress, and, according to the *Guardian*, "She looks extremely fetching in the pretty blue dress." What is more her cold is very much better! It would not, of course, be fair to suspect that those manufacturers who so stoutly defended coloured tablets had an eye on feminine appeal and the usefulness of their elegantly coloured tablets as colour guides in the "rag" trade, but there may be scope for the enterprising in the idea.

## PRODUCTION OF SILICONES IN WALES

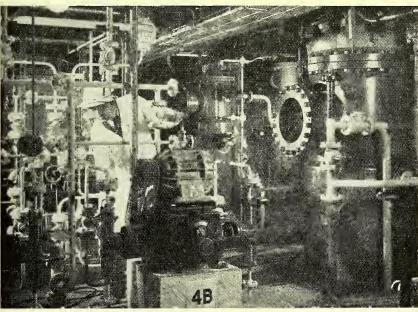
# Output of a new factory at Barry will make Great Britain independent of outside supplies and provide a valuable commodity for export

THE first full-scale plant to manufacture silicones in Great Britain is now in production at Barry, South Wales. The decision to manufacture silicones in this country instead of importing them from the United States was taken by Albright & Wilson, Ltd., some time

Silicones, Ltd., members of the technical Press were given an opportunity of visiting the Barry plant and seeing those processes in action

those processes in action.

Many difficulties are encountered in the production of silicones. For example, all stages in the synthesis of



Part of the chlorosilane production unit.

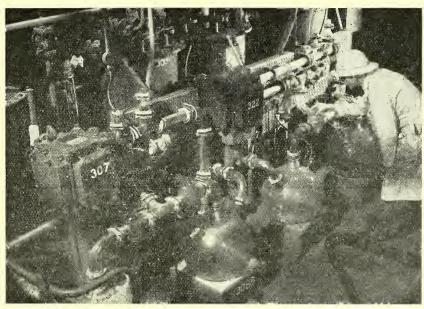
after they accepted the sales agency for silicones manufactured by the Dow Corning Corporation of Midland, Michigan, A subsidiary company, Midland Silicones, Ltd. (jointly owned by Messrs, Albright & Wilson and the Corporation) was formed, and the present site of twenty-six acres acquired four years ago. On that site during the four years ago. On that site during the 1939-45 war a plant had been erected for extracting magnesium salts from sea water but it ceased production shortly after the end of the war. The offices and laboratory blocks were put into use immediately by the new company, and certain of the buildings were readily adapted. Use was made of the great concrete settling tanks to provide bund (embanked surround) walls to the tank farm and distillation plant. The silicone plant is, of course, new and was designed and built by the company's engineering department from working drawings supplied by the Dow Corning Corporation. It has a total output capacity of 600 tons a year calculated as siloxanes. The plant is not yet in full production but that stage is expected to be reached in a few months by which time the company hope to be virtually independent of outside

The processes that go to the making of silicones, and some applications of them, have been dealt with elsewhere (C. & D., January 10, 1953, p. 41, and January 31, p. 114, and more fully in several text-books), but it was only recently that, at the invitation of Midland

chlorosilanes (intermediates necessary in the production of silicones) have to be operated in conditions of absolute dryness, and plant therefore, has been designed to ensure the entire exclusion of atmospheric moisture. The chlorosilanes are also corrosive, toxic and highly inflammable. Their separation by fractional distillation is extremely difficult because their boiling points are close together. To produce commercially useful products, the chlorosilanes must be obtained pure, and that need has called for the design of high fractionating columns and many stages. The distillation plant is controlled by automatic instruments, and each stage of the process is recorded on a graphic panel in the control room, said to be one of the largest such panels in Europe. The system of control valves and indicators has been so arranged that signals are given simultaneously on the plant and on the control panel. Most of the volatile solvents and intermediate products used are stored in tanks buried under tons of limestone chippings, The tanks and all parts of the system are purged with inert gas to prevent the ingress of air or moisture, and to reduce the risk of fire. One of the chief raw materials, methyl chloride, is transferred to storage tanks by utilising its own vapour pressure, the tanks being kept cool by running water during warm and sunny weather. All people working in hazardous areas wear protective clothing, including glasses and helmets.

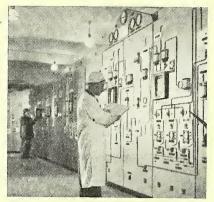
#### Elaborate Fire Precautions

The essential processes of hydrolysis and condensation of the chlorosilanes to form silicones take place in the hydrolysis unit. Points of particular interest here are the extent to which all the equipment has had to be made flameproof, the good use made of the building's height, and the room that has been left for expansion. A separate department makes the rubbers, compounds, and greases from the materials found in the hydrolysis section, and here elaborate precautions are taken to



The hydrolysis units in which the chlorosilane intermediates are reacted with water.

avoid contamination with organic materials. All the operations are carried out with rigid controls to keep the products within the narrow limits of their specifications.



Control room of distillation unit.

Illustration on right, by Glaxo Laboratories, Ltd., demonstrates the effectiveness of treating glass with silicones. The three phials of Glaxo penicillin suspension on the left are untreated while clarity of the glass of the right hand phial of each pair shows that in addition to ensuring better drainage, silicone treatment also improves the appearance of the phials.

Silicone rubber was the first synthetic rubber to be made in this country. The works laboratory for testing both raw materials and finished products is housed in the same building as a large technical service laboratory established to deal with any problems of the many industries now using silicones.

In the pharmaceutical field the silicones, because of their property of repelling water, are used on glass ampoules and antibiotic phials. A film of methyl silicone applied to the ampoule or phial allows rapid drainage from the sides of the phial and reduces, if not abolishes, the need for "overage." Silicone fluids are used to lubri-



cate hypodermic syringes and are being successfully developed as bases for barrier creams while silicone rubber is used in blood-transfusion apparatus,

## SOCIETY'S COUNCIL AT COLWYN BAY

## Guests and hosts by turns

AS briefly mentioned last week (p. 361) the Council of the Pharmaceutical Society held its October meeting at Colwyn Bay. Highlights of the visit were a civic reception on October 4 and a dinner the following evening at which the Council were hosts to members and officials of the Colwyn Bay and other local councils.

At the civic reception and dinner on October 4, Mr. Gwilym Hughes, J.P., M.P.S. (mayor of Colwyn Bay) presided, and Alderman F. H. Andleby Jones, C.C., proposed the toast of the Pharmaceutical Society. Alderman Jones showed a close acquaintance with the history of the Society by recounting outstanding events in its history, and suggested that pharmacy was today one of the most prosperous professions in the country, partly by reason of the efforts of the Council and partly as an outcome of the National Health Service. As the only member from Wales and chairman of the Council's organisation committee, Mr. Gwilym Hughes had no doubt played his part. In Colwyn Bay they were proud of him. He had rendered able and valuable service as chairman of the finance committee; he was a loyal colleague and staunch Welshman.



The president of the Society (Mr. E. A. Brocklehurst) with Mrs. and Councillor Gwilym Hughes (mayor of Colwyn Bay) at the Civic Reception.

The Pharmaceutical Society, said Mr. Jones, was indebted to another Welshman, Sir William S. Glyn Jones, and proud of Sir William's son, now a judge of the High Court. The Society's treasurer (Mr. W. S. Howells) and financial officer (Mr. W. E. Morris) were both of Welsh extraction and its secretary (Mr. F. W. Adams) had associations with the Principality.

MR. E. A. BROCKLEHURST (president of the Society) acknowledged the toast. He said it took a lot to get the Council—a conservative one—away from London. He suggested that pharmacy



Brass mortar presented by the Society's Council.

was progressive rather than "prosperous," and in referring to Welsh influences on the profession mentioned the Ministers responsible for the National Health Insurance Act, 1911 (David Lloyd George as he then was) and the National Health Service Act, 1945 (Aneurin Bevan). He gave a reminder that Sir William Glyn Jones, before his secretaryship of the Society and before his price-protection work, had been a member of Council, The Council had had help from other Welsh members: the late Mr. Moreton Parry, Mr. G. R. Knox Mawer and their present treasurer, Mr. W. S. Howells, "The Mayor and Corporation of



The president presents a brass mortar to the mayor from the Council of the Society.

Colwyn Bay" was proposed by ALDERMAN W. J. TRISTRAM, J.P., Liverpool (a member of the Society's Council), who spoke of Mr Hughes as a "genial and jocund" colleague. Mr. Gwilym Hughes in reply spoke of his pride as mayor of Colwyn Bay that the Society's Council had thought fit to grace the borough's Council chamber.

During the evening Miss Betty Hughes presented a bouquet to the president's wife, and Mr. Brocklehurst, on behalf of the Council, presented the mayor with a memento of the occasion: an English brass mortar bearing the inscription "Presented to Gwilym H. Hughes on the occasion of the meeting of the Pharmaceutical Council in Colwyn Bay, October 1954" and on the plinth "Gwilym H. Hughes, mayor of Colwyn Bay. Member of Council of the Pharmaceutical Society."

MR. HUGHES, in thanking the Council for its gift, hoped it would remain long as a pharmaceutical treasure first for himself and later for his daughter, who was taking up pharmacy as a

The evening's programme included items of entertainment, including songs by the Marden singers under Mr. W. J. Owen, M.P.S. (see p. 391).

The Council's guests the following evening included the Member of

Parliament for Colwyn Bay (Mr. Evan Garner Evans), the chairman of the Llandudno Council (Colonel Arnold), the town clerk, medical officer of health and entertainments manager of Colwyn Bay, the chairman of the

Anglesey, N. Caernarvonshire and Colwyn Bay Branch of the Pharmaceutical Society (Mr. H. Neville), the branch secretary (Mr. Bryn R. Jones), and the mayor and mayoress of Conway (Miss Agnes Hughes and Mrs. Amos).

### **BETTWS-Y-COEDUCATION**

## The Pharmaceutical Society's Council under Welsh tutelage

By JOHN SAXON

THE Welsh character is not so simple that it can be mastered in a mere week-end. To any Anglo-Saxons or Picts-and-Scots contracted to confer with Welsh colleagues on their home ground, the best tip is to spend an hour or two beforehand studying the topographical setting in which the Welsh character has developed. That was what the Council of the Pharmaceutical Society did when they met at Colwyn Bay for their October meeting.

#### In the Principality Now

It was not the fault of the organisers if their excellent efforts were frustrated in detail by natural forces. Care had been taken to strike the right note from the start. The visitors must be made to realise that they were now in the Principality. How better than by setting off along Prince's Drive? But soon, when the coaches slowed to give a chance to admire the beauties of the broad Conway estuary, along which in the season steamers take tourists on a four-mile cruise, the tide was out. "You can imagine how beautiful it looks like at high water," said a local pharmacist, giving the show away in the next breath by admitting that it was usually his lot to find it in the same dry state when he passed that way.

The next pause was for the driver to point out the gardens near Pont Newydd, where are grown the orchids for Royal occasions. "You should have seen our orchids yesterday," said my neighbour. We saw tall dense trees, glimpsed a splendid white house beyond.

Soon the coach was insinuating itself, oh, so gingerly, between the narrow walls of the hump-backed Pontypair bridge, attributed to Inigo Jones. Beyond was a Druid's Circle, one of several seen by the tourists. What an eye they had for an Eisteddfodd site, those Ancient Druids, in A.D. 1952 or earlier!



Miss Betty Hughes presents a bouquet to Mrs. Brocklehurst.

The weather was gradually worsening. Some Scot, hostile to the expedition, had got in ahead and was blanketing the landscape with the special brand of weather for which his country has gained unenviable fame. Not then did we know, as we were to learn later, that the Scots of old had harried the Welsh with as little favouritism as they had borne down upon the English.

There was a halt for coffee at the Waterloo Hotel, Bettws-y-Coed. The hotel takes its name from the bridge nearby, and the bridge from the battle, or at least from its date. Napoleon's tomb is far enough away, and Gelert's grave the local haunt of pilgrims.

At Swallow Falls the mayor of Colwyn Bay, who once discarded an English speech to address a branch—impromptu—in his native Welsh, had to search his memory for several seconds to recall the Welsh name for the bird: wen-ol. He fell down completely over Falls. Miss Burr (a member of Council) who now has little of the language, though still something of the oratory, one would expect from a girlhood spent in those parts, came out with some of the local lore for the enlightenment of English hearers. They had already learned that the same countryside had cradled another pharmacist of renown: Mr. H. Humphreys Jones. They had even seen at Llanrwst the pharmacynow, alas, the branch of a multiplewhere that great teacher had learned the craft he passed on to so many hundreds of students at Liverpool.

Continuing through a veritable Wonderland country where it was nothing to come across a signboard: "Warning, peacocks," or a field of Monarchs of the Glen, or more tragically a village once destroyed by mountain waters that burst their dam, the Councillors came by way of Llanberis pass to Caernarvon. At lunch in that historic borough they were joined by mayor Hughes (who eloquently solicited Saxon support in a "Caernarvon-the-capital-of-Wales" campaign), by the town clerk, and the historian, Mr. Kenrick Evans. Mr. Evans was later their guide at Caernarvon Castle, that bastion built to protect the peace-loving English from the forays of Welshmen coming down from the mountains or Scotsmen coming up from the sea. It was indeed, in Dr. Johnson's words, "an edifice of stupendous magnitude and strength"—with walls 7-9 ft. thick enclosing an area of three acres. Within the castle where Edward II was born was born also Mr. R. Bryn Jones, F.P.S., secretary of the Anglesey, North Caernarvonshire and Colwyn Bay Branch of the Society. In him no animosity against the English could be detected.

His lingering impatience, if any, was reserved for those juvenile citizens of his own country whom, with his father, he was so often called upon in his boyhood to rescue from a few inches of water in the now dry moat.

Mr. Evans pointed out that Caernarvon was on the site of the much older Roman Segontium, reputed birthplace of Constantine the Great.

From Caernarvon the return journey was by the coast to another castle and a third mayor Hughes. But on the way the Menai bridge was crossed and recrossed, and the detour afforded a melancholy view of the timbered training-ship Conway, its back now broken, aground in the river below. Bangor proclaimed itself as "the Athens of Wales," and before Conway the way went through a road tunnel at whose ceremonial opening a few years ago a pharmacist (Mr. D. A. Bryan, M.P.S.) was a principal actor, in his capacity as chairman of the council of Penmaenmawr.

Tea was laid on at Conway Guildhall, by kind invitation of the mayor (Miss Agnes Hughes) who both welcomed and later addressed the guests. A number of local pharmacists were also present. Some of the excursionists afterwards found their way into the Castle, "one of the most imposing and magnificent . . . in Britain."

A short run home ended a tour often made chilly and dark by the weather but always warm with Welsh hospitality and bright with flashes of Welsh history. When the Council committees assembled next day at Colwyn Bay, "where mountain meets the sea," they had seen a little of both. There is no truth in the suggestion that the slogan is to be changed to "Where mountain meets Mahomet, however."



THE DOCTOR'S DILEMMA: Dr. H. Davis (chief pharmacist, Ministry of Health) plans his escape from a difficult position on the golf course at Oxford.





## SCIENCE SESSIONS

(Continued from The CHEMIST AND DRUGGIST, October 9, p. 379)

THE second paper read at the session on September 17 was:—

#### Stability of Ferrous Gluconate Solutions

C. A. JOHNSON and J. A. THOMAS

A DEMAND for a liquid preparation of ferrous gluconate to be included in the British Pharmaceutical Codex and the National Formulary prompted this investigation into the conditions affecting the rate and extent of oxidation that might occur. A number of elixirs were prepared according to different formulas and stored in wellclosed amber-glass containers varying from 20 to 40 fl. oz. in size, the ferrous iron content being determined from time to time. The preparations at first showed a steady deterioration in ferrous iron content. In some of the smaller containers oxidation was seen to be more rapid as the stock of solution diminished. It thus became obvious that the volume of air in the container was of prime importance in determining the extent to which oxidation would occur.

The effect of storage in daylight was also examined. The results show that, after an initial oxidation, the ferric iron became reduced, the ferrous iron content increasing beyond what was originally present until it approximated to the total iron content. The reduction was accompanied in the smaller volumes by the deposition of a brownish-yellow crystalline precipi-

tate.

The traditional antoxidants associated with ferrous iron formulation are shown to exert little or no effect in preventing the oxidation of ferrous gluconate. A solution buffered to pH 4.5 with citric acid and sodium citrate showed just as rapid a deterioration

as an unbuffered solution.

The ratio of the volume of air to the volume of solution has the most pronounced effect upon the extent of oxidation that will occur in a closed container. It is clear that the oxidation reaction proceeds until an equilibrium is set up, probably depend-ing both on the oxygen tension and the ratio of ferrous to ferric iron. The concentration of iron in the solution also affects the extent to which oxidation will proceed. The proportion of total iron converted to the ferric state increases as the concentration of total iron is decreased. Provided that the solution is kept in a well-filled and sealed container, no significant deterioration of ferrous iron content may be expected within three months. The period may well be much longer.

The effect of light in arresting and

The effect of light in arresting and ultimately reversing the oxidation of ferrous to ferric iron in solutions of ferrous gluconate has been confirmed.

ferrous gluconate has been confirmed. It is concluded that solutions of ferrous gluconate should be dispensed only in completely filled containers of small size; the maximum concentra-

tion of ferrous gluconate compatible with the formation of a stable solution should be employed—10 per cent. is suggested as a suitable figure; a suitable flavouring agent consists of about 20 per cent. of syrup of orange together with 0·3 per cent. of citric acid; if the solution is to be stored protected from light a small proportion of dextrose monohydrate—say 7·5 per cent.—should be included. If storage in the light is considered to be safe the proportion of dextrose should be increased to 20 per cent.

From the laboratory of the scientific publications department, Pharmaceutical Society of Great Britain.

The paper was read by Mr. Johnson.

#### Discussion

MR. L. M. SPALTON, Sutton, said that he and his colleagues had undertaken, over some six months, investigations which confirmed the author's findings. As a result, his company had decided some time ago to cease manufacture of liquid preparations of ferrous gluconate. He considered tablets to be more satisfactory for three reasons: a high ferric content reduced the advantage of the preparation in being less conducive to nausea and vomiting than ferrous sulphate; he did not believe the formation of oxalate in the liquid preparation to be as serious as it sounded, but there was a dearth of information on its toxicity and therefore its pre-sence in the liquid preparation was undesirable; and liquid iron preparations of low pH might cause damage to the teeth. He mentioned the advisability of dispensing solutions of ferrous gluconate in amber glass bottles.

DR. W. MITCHELL, London, agreed with the previous speaker's comments on the presentation of the material in the form of a solution, owing to the possibility of its conversion to oxalate. If a solution was insisted upon, then it was necessary to include a good antioxidant, and he suggested ascorbic acid for that purpose. He "had a hunch that

it would work."

Dr. J. B. Stenlake, Glasgow, thought that the oxidation process should be studied in more detail before deciding on ascorbic acid as the anti-oxidant.

DR. G. BROWNLEE, London, said that the single fact which prevented people from dying when they took ferrous salts was that they were readily oxidised. 20 mgm. of ferrous sulphate by injection could cause fainting. Ferrous ascorbate was "far too lethal."

DR. G. E. FOSTER, Dartford, suggested that there might be some ferrous oxalate to start off with since commercial contents.

DR. G. E. FOSTER, Dartford, suggested that there might be some ferrous oxalate to start off with, since commercial gluconic acid used to prepare the ferrous gluconate might as a result of contamination in manufacture, contain oxalic acid.

MR. COLES, Greenford, asked what was the pH of the samples used in the experiment, at what temperature were they stored, and had the authors any

evidence concerning pH and rate of oxidation?

Mr. G. RAINE, Manchester, congratulated the authors on obtaining results worth publishing. He said that he had been working on the subject since 1953 and had found syrup and glycerin useful in preventing deposition. He had thought ascorbic acid to be a suitable antioxidant, producing a more stable solution, but he had been unable to estimate the ferrous iron in the presence of ascorbic acid. He asked what precautions had been taken to protect the samples from light during the experiments, and said that he had not seen any proof of the presence of ferrous oxalate in solutions which had not deposited. A loss of 25 per cent. ferrous iron in ten days was considerable. He had tried to simulate condi-tions under which the solution was likely to be stored both in hospital pharmacy and in the home, but had found no greater loss than 20 per cent.

MR. D. N. GORE, Dorking, said that

in experiments of which he had knowledge, the presence of ascorbic acid in ferrous gluconate tablets had a stabilising effect. There was clinical evidence to show that ascorbic acid helped the

physiological effect of iron.

MR. F. A. J. TALMAN, Liverpool, asked for information regarding the effect of sucrose concentrations on the

rate of oxidation. Mr. Johnson, replying, agreed with Mr. Spalton's remarks regarding the preferability of tablets and said he had found no loss in the ferrous iron content of tablets on storage. He and his colleagues had reviewed the possibility of using ascorbic acid as a stabiliser, but according to published American work its use was contra-indicated because of the colour formation in the solution. They had examined the ferrous gluconate used for oxalate, and obtained a negative result. The pH of the samples prepared in the labora-tory was about 5.6, that of the preparation with hypophosphoric acid was 4.8, and that with citric acid 4.5. Storage was under ordinary laboratory conditions of temperature. The effect of the pH on the rate of oxidation had not been examined in detail, but American workers had found that the rate of oxidation increased with the pH. The effect of syrup as a partial stabiliser had not been examined by them. Ferrous iron could not be estimated in the presence of ascorbic acid. All preparations used in the experiments had been stored in white flint-glass bottles in a cupboard which was sealed against light and opened daily for a few minutes only. There was a very pure com-mcrcially available ferrous gluconate, but the rate of oxidation was the same with it as with other samples. There was clinical evidence that ascorbic acid increased the assimilation of ferrous iron, but the authors felt that its pre-sence in that preparation was not the answer to the problem.

## TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, OCTOBER 13: The volume of business done in CRUDE DRUGS during the week was below average for the time of the year. Buyers held off the spot market since many commodities in private warehouses were at a premium on account of the London dock strike.

Far Eastern commodities were again dearer in the absence of forward offers. Chinese Menthol was up by 3s, per lb. and CAMPHOR by threepence. GINGER was unchanged at previous levels, but TURMERIC was nominally quoted at 180s. per cwt. against 165s. paid in the previous week. Shippers of Prime Cape Alors quoted 228s. 6d. per cwt. in the early part of the week, but the quotation was subsequently withdrawn and there were no further offers. Cocking the region was subsequently withdrawn and there were no further offers. offers. Cochineal remains very short on the spot, only the black-brilliant being available and that in very limited quantities. The market was also bare of Spanish ACONITE, European STRAMONIUM and PODOPHYLLUM Emodi.

Shipment of SENNA from the port of Tuticorin during September was as follows: -

U.K. U.S. EUROPE Bales Bales Bales LEAVES 224 184 30 782 215 Pods

The quality of the senna shipped was good and the colour fairly green. The Government of India is reported to have relaxed to some extent the export ban on RAUWOLFIA serpentina and R. canescens. From November 1 a quota system is to be introduced so that thereafter regular shipments may be expected. During September about 25 tons of R. serpentina was shipped to the United States from Tuticorin and 3 tons of R. canescens to the Continent but none of either root for the United Kingdom.

ESSENTIAL OILS remained a firm market with nearly all prices continuing the recent upward trend. Higher per lb. were ANISE (up threepence); Formosan CITRONELLA (threepence); LEMONGRASS (1s. 6d.) and Chinese PEPPERMINT (sixpence). Offers of PEPPERMINT (SIXPENCE). Offers of American peppermint were withdrawn at origin while the Italian oil was quoted substantially higher. Seasonal demand and difficulty in replacement were responsible for an advance of threepence per lb. in EUCALYPTUS. LAVANDIN has followed, to some extent the unwards movement of tent, the upward movement LAVENDER, which is now extremely scarce and dear. Later the prices of lavandin eased somewhat as a result of consumer resistance to the new peaks.

#### **Pharmaceutical Chemicals**

ACETIC ACID.—B.P. Glacial is £102 for 1-ton and 115s. for 1-cwt. lots.

ACETIC ANHYDRIDE.—Current rates (per ton) include the following: 1-ton (spot or contract over a calendar year) in 90-gall. drums, £130; single carboy, £162; single demijohn, £166.

ANEURINE HYDROCHLORIDE. — Price per kilo is £40.

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages:—

	1-cwt.	28-lb.	7-lb.
CARBONATE SALICYLATE SUBGALLATE SUBNITRATE	s. d.	s. d.	s. d.
	23 5	23 8	27 5
	22 6	22 9	26 4
	21 8	21 11	25 6
	20 11	21 2	24 4

2-cwt. lots are 3d. per lb. less than the 1-cwt. rates. The present 1-cwt. rates for other salts are: —CITRATE, B.P.C., 22s. 8d.; NITRATE, CTYSTAI, 14s. 8d.; OXIDE, B.P.C., 27s. 7d.; OXYCHLORIDE, B.P., 27s. 9d.; OXYIODOGALLATE, B.P.C., 28s. 9d. and TRIBROMPHENATE, B.P.C., 26s. 9d.

BUTOBARBITONE.—B.P.C. is 70s. per lb. in 1-cwt lots.

in 1-cwt. lots.

CAFFEINE,—For 1-cwt. lots. Alkaloid, B.P. is now 26s. 6d. per lb.; anhydrous alkaloid, 27s. 6d., and citrate, 16s. 3d.

CALCIUM CARBONATE. - B.P. powder is £25 per ton, ex store.

CALCIUM CHLORIDE, - B.P. crystals are 1s.  $0\frac{1}{2}$ d. per lb. in 1-cwt. lots and exsiccated 10d.

CALCIUM GLUCONATE. — Quantities of 3-cwt. and upwards are quoted at 4s, per lb.; 1-cwt. to 2-cwt., 4s. 1d.; smaller quantities, up to 4s. 4d. per lb.

CALCIUM SUCCINATE. — Quotations are from 10s, 6d. to 12s. 6d, per lb., as to quantity. Succinic acid is from 10s. 6d. to 12s. 3d. per lb.

MENAPHTHONE. — B.P. is £16 per kilo; ACETOMENAPHTHONE, B.P., £16; WATER-SOL-UBLE (menadione sodium bisulphite, U.S.P.), £19 10s. per kilo.

MERCURY DERIVATIVES.—Quotations (per MERCURY DERIVATIVES.—Quotations (per lb.) for 1-cwt. lots are now as follows: AMMONIATED, B.P., lump or powder, 30s. 9d.; PERCHLORIDE, B.P., powder, 27s. 3d. (lump 27s. 6d.); SUBCHLORIDE, B.P. (calomel), 31s. 3d.; OXIDES, B.P.C., levigated, or yellow, B.P., 33s. 6d.

METHYL SALICYLATE. — In 5-cwt. lots price is 3s. 1½d, per lb.; 1-cwt., 3s. 2d.; 56-lb., 3s. 2½d.

price is 3s.  $1\frac{1}{2}$  56-lb., 3s.  $2\frac{1}{2}$ d.

METOL. — In 1-cwt. lots the price is 24, 6d. per lb.; 28-lb., 25s. 6d.; 14-lb., 27s.; 7-lb., 28s.

27s.; 7-lb., 28s.

NIKETHAMIDE. — Prices per kilo are:—
1-kilo, 115s.; 50-kilos, 107s.

PARAFFINS. — Prices to wholesaler distributors are as follows:—Liquid: Heavy, B.P., £98 17s. 6d. per ton; LIGHT, B.P., £81; light Technical white, £68 10s., all in 40-45 gall, returnable loaned drums, delivered U.K. Soft: White, medium consistency, £92 15s. per ton; White, soft consistency, £90 10s., and Yellow, £70 10s., all B.P., in non-returnable drums delivered. Hard: Melting point 135/140° F. is £86 17s. 6d. and 145/150° F., £93 5s. per ton, in minimum 1-ton lots, ex works. ex works.

PAS.—The SODIUM salt is from 26s. to 30s. per kilo as to quantity.

PHENAZONE. — British material in 1-10cwt. lots is 17s. per lb.; imported, from 13s, 9d.

PHENOBARBITONE, — 1-cwt. lots are 25s. 6d. per lb.; SODIUM is 6d. per lb. more than above rates.

PHENOL. — Basic price for crystals in drums is 1s, 4d, per lb., and for LIQUID, B.P., 1s. 3\dd.

PHENYLACETIC ACID. - In 1-ton lots the price is now 5s, 6d. per lb.; 1-cwt., 6s. per lb. Perfumery grade, re-crystallised is from 8s. 6d. to 11s. 6d. per b., as to quantity.

PHOSPHORIC ACID.—B.P. is 1s. 5½d. per lb. in 1-2 carboy lots. Hypophosphorous, B.P.C., in winchesters, is from 5s. 9d. to 6s.  $10\frac{1}{2}$ d. per lb. as to quantity.

PIPERAZINE. — Quotations for HYDRATE are from 37s. 6d. per lb.

Potassium Permanganate. — Rates for B.P. material for 1-cwt. lots is 1s. 8½d. per lb., and for technical, 181s. 6d. per

SEMICARBAZIDE HYDROCHLORIDE.—Technical grade is 20s. per lb. for 1-cwt. lots.

SODIUM BROMATE. — 1-cwt. lots are quoted at 10s. 9d. per lb.

SULPHANILAMIDE.—Manufacturers' rates are from 8s. per lb. for 1-ton lots with surcharges for smaller lots.

SULPHOCARBOLATES. — SODIUM PHENOL-SULPHONATE, B.P.C. (powder) is 5s. 6d. per lb. in 1-cwt. lots and Zinc, B.P.C., is 5s. 6d.

TANNIC ACID,-B.P. levis is quoted at 4s. 6d. per lb. in 1-cwt. lots.

TERPIN HYDRATE. - Prices are from 5s. per lb. upwards as to quantity.

ZINC SULPHATE.—B.P. in 1-cwt. lots is quoted as 1s. 2d. per lb.; 28-lb., 1s. 5d.

Crude Drugs

ACONITE.—Spot supplies of Spanish napellus have been cleared. Nominal value 3s. 9d. per lb., duty paid.

AGAR. — Kobé No. 1 on the spot is from 16s. 6d. per lb., duty paid. Shipment, 14s. 3d., c.i.f.

ALOES. — Cape: Forward offers were made at 228s, 6d. per cwt., c.i.f., but were later withdrawn. No spot supplies. Curação is 290s. on the spot.

Aniseed. — Chinese star is offered at 170s, per cwt., duty paid.

Antimony. — English 99.6 per cent., £222 10s.; 99 per cent., £210 per ton.

ARECA NUTS. — Quotations are about 45s, per cwt. for Ceylon material on the spot. Shipment, 42s. 6d., c.i.f.

ASAFŒTIDA.—Persian block is from £10 to £14 per cwt., duty paid, as to quality.

BALSAMS.—Quotations (per lb.) are:— Canada: 20s., spot. Copaiba, B.P., 11s. 6d. Peru is 10s. 9d., duty paid; no offers from origin. Tolu (genuine as imported) 26s. 6d. spot, and 26s, c.i.f.

BENZOIN.—Sumatra block No. 1 on the spot is from £27 10s. to £29 per cwt.

BISMUTH METAL.—Minimum rate is 16s. ner lh

BUCHU. - Scarce. No shipment offers. A small parcel of new crop on the spot is offered at 6s. 6d. per lb.

CAMPHOR.—Spot: 4 oz. Tablets, 7s. per lb., duty paid; powder B.P., 6s., duty paid. No shipment offers.

Capsicums.—East African on stalk are 160s. per cwt., spot. Abyssinian, off stalk, 205s., spot, duty paid.

CARDAMOMS.—Aleppy greens are cleared on the spot. October-November shipment offers are 11s. 6d. per lb., c.i.f.

CASCARA SAGRADA. — Quiet. American new-crop peel for shipment is 215s. per cwt., c.i.f., London.

CASSIA BARK. — Whole on the spot is about 90s, per cwt., in bond, and for forward delivery, 75s., c.i.f. Broken 78s., in bond, and 66s., c.i.f.

CINCHONA. — Parcels of British East African ba k testing 8 per cent. upwards total alkaloids vary in price from 1s. 9d.

CINNAMON.—Ceylon for shipment (c.i.f.), per lb.; OOOO, 5s. 8d.; quillings, 2s. 10d.; chips, 6½d.

COCHINEAL.—Very short on spot and no

shipment offers, Black-brilliant is 15s, per

ERGOT. — For shipment Portuguese is 16s. 6d. per lb., c.i.f., and Polish, 7s. 6d., c.i.f. Spot, Portuguese is 16s. 9d.

GUM ACACIA. — Kordofan cleaned sorts on the spot are quoted at 147s. 6d. per cwt.; October-November shipment, 140s., c.i.f.

HYDRASTIS.-Root is 18s. per lb., on the spot.

1PECACUANHA.—Nominal shipment values (per lb., c.i.f.): Nicaraguan, 61s, 6d.; Colombian, 56s.; Spot Colombian, 60s.

Kola Nut. - African halves are available on the spot at  $5\frac{3}{4}$ d. per lb.

LIQUORICE.—Natural whole root, spot: Liquorice.—Natural whole root, spot. Anatolian, 60s. per cwt.; Russian, 40s.; Syrian, 35s.; Persian, 37s. 6d. Block juice quotations are 220s. per cwt, on the spot. Italian stick from 310s. to 475s. per cwt., duty paid.

MACE. — West Indian pale blade is 9s. per lb.; for shipment, 7s. 10d.

MENTHOL. — Chinese is again dearer at 39s, per lb., duty paid and 37s. 3d., c.i.f.

MERCURY. - Nominal spot value is £105 per flask of 76-lb. ex-warehouse.

MYRRH,—Aden selected sorts are about £14 10s. per cwt. on the spot. Siftings are from £7.

NUTMEGS. — West Indian 80's quoted at 2s. 10d. per lb. on the spot and 2s. 7d. c.i.f., for shipment.

ORANGE PEEL.—Bitter quarters are offered at 1s. 9d. per lb., landed.

Papain.—Spot value for East African grade one is 18s. per lb.

PEPPER.—Steady. White Sarawak is unchanged at 4s. 9d. to 4s. 10½d. per lb., changed at 48, 9d, to 48, 10<sup>3</sup>d, per 10., spot, with afloat parcels quoted at 48, 6d, c.i.f. Black Sarawak is 3s, 9d, spot; afloat 3s, 4<sup>3</sup>d, to 3s, 6d, c.i.f. Black Malabar, 610s, per cwt. with October shipment quoted at 415s., c.i.f.

PIMENTO. — Spot is 7s. 3d. per lb. nominal and for October shipment, 450s. net cwt., c.i.f.

PODOPHYLLUM. — Peltatum is 336°, per cwt. on the spot. Emodi, afloat, 160s., no spot supplies.

QUASSIA.—Spot quotations for chips are about 45s.

SERPENTINA. — Price is RAUWOLFIA 12s. 6d. per lb. on the spot.

SAFFRON. — Steady. Offers for Mancha are about 150s. per lb.

SAFFRON. — Steady. Offers for Mancha are about 150s. per lb.

SEEDS. — (Per cwt.) Anise.—Cyprian is quoted about 185s., spot. Caraway.—Dutch firm at 155s., duty paid. Celery.—Indian unchanged with sellers at 160s., spot London. Coriander. — Market remains fi m. Spot, Morocco is nominal at 85s., duty paid. Danubian, 60s., duty paid. Danubian, 60s., duty paid. Shipment, Morocco 67s, 6d., c.i.f., London, with no business reported. Cumin.—Sellers quoting Cyprian at 125s., Morocco 127s. 6d., duty paid (115s., in bond). Shipment, Cyprian, 110s., c.i.f., Morocco, 102s. 6d. to 103s, 6d., c.i.f., quoted. Dill.—Indian is in short supply at 90s., spot. Fennel.—Indian, 90s., spot London. The shipment price has advanced to 82s. 6d., c.i.f., with buyers uninterested. FENUGREEK.—Firm. Morocco on spot is quoted 50s, to 52s. 6d., duty paid. According to reports Morocco crop is now almost exhausted; nominal quotation is 42s. 6d., c.i.f. Mustard.—English is firm, from 85s. to 92s. 6d. quoted according to quality. ing to quality.

SENEGA.—Firm. Spot value is 22s. 6d. ex wharf.

SENNA. — *Tinnevelly* LEAVES, (per lb.) prime No. 1, 1s, 1d.; No. 2 (dry crop), 9½d.; prime No. 3, 8d.; f.a.q., No. 3, 7d.; PODS, f.a.q., 7½d.; hand-picked, from 1s, 7d. to 2s. 7½d. as to quality, all on the control of the control spot. Alexandrian manufacturing pods, 1s. 10d.. spot and 1s. 7d., c.i.f. Handpicked, spot, 5s. 9d. to 7s.

SERPENTARIA. — Root is offered at 37s.

per lb. on the spot.

SHELLAC. — Spot quotations are:— F.O.T.N. pure, 335s.; F.O. standard No. 1, 350s., nominal; fine orange, 375s. to 405s. per cwt., ex-London warehouse.

SQUILL.—Italian on the spot is 76s, per cwt.; value of new-crop for shipment, 70s., c.i.f.

STRAMONIUM. — Indian LEAVES are 75s, per cwt., spot. Stocks of European are cleared on the spot.

STROPHANTHUS.—Kombé is 7s. 6d. per lb. on the spot.

STYRAX.—Spot is 5s. 7d. per lb., duty

Tamarinds.—Supplies of West India are offered at 50s. per cwt., duty paid. -Supplies of West Indian

TONKA BEANS.—Frosted Para on the spot are offered at 5s. 9d. per lb.

TRAGACANTH.—No. 1 ribbon on the spot is £120 to £125 per cwt.; No. 2, £85 to £90; No. 3, £65 to £70.

TURMERIC.—Madras finger is dearer the spot with a nominal price of 180s. per cwt, quoted.

UVA URSI.—Spot offers are about 85s. per cwt.

VALERIAN.—Indian is 145s, per cwt. on the spot and from 130s, to 145s., c.i.f. Belgian, 185s, spot.

Vanillin. — Rates (per lb.) are:— 5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb., 30s. 6d.; smaller quantities, 30s. 9d.

#### **Essential and Expressed Oils**

ALMOND.—B.P. is from 6s. 6d. to 7s. 6d. per lb., as to quantity.

AMBER.—Rectified on the spot is quoted at from 1s. 6d. per lb.

ANGELICA SEED.—Price per lb. is now quoted at 260s.

Anise. — Spot supplies are dearer at 17s, per lb., with affoat also quoted at 17s., c.i.f.

BAY.—West Indian is 11s. per 1b. on the

CADE.—Spanish is about 2s. 3d. per lb. on the spot for 1-cwt lots.

CAJUPUT. — Spot supplies are 15s. 6d. per lb. for 1-cwt. lots.

CALAMUS. — Imported oils are offering from 70s, per lb.

CAMPHOR, WHITE. — Chinese is 4s. 3d. per lb., on the spot.

CANANGA. — Supplies to come forward are quoted at from 60s, per lb., c.i.f. Spot is from 62s. 6d. per lb.

CASCARILLA.—Imported is from 295s.

CASTOR. — In minimum 2-ton lots the price of pharmaceutical quality for prompt delivery is £129 per ton, naked, ex mill. For forward delivery the price is

CEDARWOOD.—Spot quotations for rectified are now 7s. per lb. with Atlas at

CELERY.—Quotations are in the region of 137s. 6d. per lb.

CHAMOMILE. — English-distilled is from 270s. per 1b.

CINNAMON. — B.P. oil on the spot is quoted at from 77s. 6d. per lb. English-distilled from bark is quoted at 27s. 6d. to 30s. per oz. Ceylon leaf, 11s. 9d. per lb., spot.

CITRONELLA. — Prices (per lb.) include Ceylon unchanged at 9s, on the spot and 8s., c.i.f., October-November shipment; Formosan, 11s, 3d., c.i.f. and 11s, 9d., in bond; Java, 13s, 6d., duty paid.

CLOVE, — Madagascar leaf is 14s. per lb., duty paid and 12s., c.i.f., for shipment. Redistilled stem oil from 19s., and English distilled bud oil from 45s.

EUCALYPTUS.—Australian 70 to 75 per cent. eucalyptol on the spot is 5s. per lb., and 80 to 85 per cent., 5s. 6d. Spanish, 70 to 75 per cent., 4s. 8d., duty paid.

GERANIUM. — Bourbon is 72s. 6d. per lb. on the spot.

Grapefruit.—Australian is 14s. 6d. per lb. spot: Californian, cold pressed, 20s., c.i.f., subject to licence.

HYDNOCARPUS.—Spot is scarce at 2s. 2d. per lb.

LAVANDIN.—Spot values have advanced sharply to 20s, per lb.

LAVENDER. — Scarce. 38-40 per cent. linalol on the spot is 90s. to 100s, per lb. nominal.

LAVENDER SPIKE.—Spanish is about 12s. per lb., c.i.f., with spot quotations nominal at 13s. to 14s.

LEMONGRASS.—Very firm. Spot offers are now at 19s. per lb.; October-November shipment, 18s. 6d., c.i.f.

LIME. — Supplies of West Indian distilled are offered from 40s. to 42s. per lb. on the spot.

Nutmeg. — English-distilled oil is 35s. per lb. Imported oil is offered at 24s. per lb., duty paid for drum lots.

PATCHOULI.—Penang is 60s. per lb., duty naid.

PENNYROYAL. — Spot value is about 11s. 6d. per lb., duty paid.

PEPPERMINT. — Arvensis: Chinese is 28s. 6d. per lb., spot and 28s. 6d., c.i.f. Brazilian, 26s., spot and 24s, 6d., c.i.f. Italian "Mitcham" type oil is dearer at from 60s. to 65s. per lb. on the spot. American, spot 60s.; shipment offers withdrawn.

PETITGRAIN. — Paraguay on the spot is 30s. per lb.

PIMENTO. - English-distilled berry nominal with imported at 55s. Rectified leaf (imported), 27s. 6d. per lb. Berry is from 62s, 6d.

P<sub>INE</sub>.—Pumilionis on the spot is from Siberian (abietis), 11s.

VETIVERT. — Bourbon in original drums on the spot is 90s, per lb.

#### UNITED STATES REPORT

NEW YORK, OCTOBER 12: NITRIC ACID was advanced in price by 50 cents per 100 lb., making the minimum rate \$5.75 for the 36-degree and \$6.75 for the 40-degree, in carboys. Higher also is MAGNESIUM CARBONATE with U.S.P. grade  $12\frac{1}{2}$  cents per lb. (up  $1\frac{1}{4}$  cents). VITAMIN E was lower at \$149.65 per kilo (down \$32.35).

Higher per lb, among CRUDE DRUGS were Cape ALOES at 36 cents (three cents); AGAR, No. 1 Kobé, \$3.00 (15 cents); GUM ACACIA, amber sorts, at 18\(\frac{1}{4}\) cents (one-half cent); and IPECACU-ANHA at \$8.00 (75 cents). Higher per lb. among Essential Oils were Bots De Rose at \$4.50 (up 15 cents); Algerian Geranium, \$10.85 (60 cents), Coriander, \$17.50 (50 cents); natural Pepper-MINT, \$7:30 (30 cents) with the redistilled oil at \$7:80 (50 cents); and PIMENTO LEAF, \$2:60 (10 cents). Lower per lb. was distilled LIME, \$3:75 (down 25 cents).

#### WORLD TRADE

Italian Sulphur Output. — Italy produced 16,765 metric tons of sulphur in June compared with 17,238 in May and 19,352 in June 1953. This brings output for the first half of this year to 99,483 tons compared with 110,200 in the corresponding period of 1953.

Advertising of Medicines in India.-A draft of certain rules which the Government of India propose to make restricting the advertising of medicines is published in the "Gazette of India, September 4. Objections or suggestions to the draft should be received before November 28.

Japanese Import Budget. — The Japanese Government has announced that the import budget for the October 1954-March 1955 period will total \$1,253,628,000 including visible imports of \$1,090,000. Allocations by commodity groups in the budget for visible imports for the period include medi-cinal supplies up to the value of \$2,997,000 and "agricultural" drugs, \$827,000.

Sulphur Extraction Licence. — The American Sulphur and Refining Co. of California has acquired from the Standard Oil Development Co. exclusive licence to a process covering the extraction of sulphur from surface sulphur-bearing ores. It is claimed that the process is an improved, lower-cost method of extraction by solvents and will open up to profitable production large surface deposits which have hitherto been unprofitable at present levels of prices.

Chloroquine Imports into India. -Under S.R.O. 2845 (Notification No. 96 Customs) dated September 4, chloroquine diphosphate and chloroquine sulphate imported into India are exempt:-

1. From so much of the customs duty leviable thereon as is in excess of 10 per cent. ad valorem where the standard rate of duty is leviable, and

2. from the whole of the duty leviable thereon where a preferential rate of duty is leviable; and also from the whole of any additional duty of customs leviable thereon.

Pakistan Toilet Soap Industry.—The claim of the Pakistan toilet soap industry to protection was referred to a tariff commission for examination recently. After holding an inquiry, the Commission said that the industry, as organised at present, was not qualified for protec-tion. The Commission, however, recommended certain measures of assistance to the industry which the Government of Pakistan have accepted. Among the recommendations accepted were:

1. Government should appoint a qualified soap technologist whom fied soap technologist whose services should be freely available to the toilet

should be freely available to the toilet soap industry.

2. The toilet soap manufacturers should be afforded facilities to enable them to get their labels printed in foreign countries until such time as adequate facilities for quality printing become available in Pakistan.

3. The local research

3. The local manufacturers should be persuaded and encouraged to install glycerin recovery plant in their factories and if, for that purpose, technical or financial assistance is required from Government, it should be provided as far as possible.

#### U.S. MERCURY

Government policy statement

THE United States General Services Administration has issued an official statement on the Government's mer-cury policy. Specifically, G.S.A. said, "No foreign producers have contractual obligations to deliver mercury to the account of the U.S. Government under barter or any other type of agreement." It was further stated that the present and future procurement efforts of G.S.A, are being directed toward the broadening of the mobilisation base for mercury in the Western Hemisphere. The domestic programme, to run until December 31, 1957, calls for the purchase of 125,000 flasks of U.S. mercury at \$225 a flask and 75,000 flasks of Mexican mercury at the same price. G.S.A. said domestic producers have not and 100 flash. tic producers have not yet offered any mercury against the Agency's price because the current open market level was running over \$300 per flask. The Agency added, however, that, for the first time in the industry's history, domestic and Mexican producers were price consistent with a "legitimate profit." As a consequence profit." As a consequence, it said, "the domestic mercury mine operator is assured a firm market for his production at an assured price and is thus set free of the undermining effects of market speculation, manipula-tion and cartel type business opera-tions." (The statement does not rule tions." (The statement does not rule out indirect Government purchases, such as could be done by contractors hired by the Atomic Energy Commission for highly secret atomic work.)

#### TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," September 29

For magnetic ferrites being chemical products

for use in manufacture (1)
STANFERITE, 727,647, by Standard Telephones and Cables, Ltd., London, W.C.2.

For all goods (1) TOTALL, 730,458, by Compagnie de Raffinage, Paris, France. EMBANOX, 732,223, by May & Baker, Ltd., Dagenham,

Essex. For fertilisers (1)

AGRONOMIZER, 731,278, by Hy. Richardson & Co. (York), Ltd., York. RESTALAWN, 732,785, by Produx Industries, Ltd., Bcds.

For chemical products and substances used in industry, science and photography; chemical products and substances included in class 1 used in agriculture, horticulture and forestry; and adhesive substances used in industry (1)

ISOCYNE, 731,615, by the British Domolac Co., Ltd., London, S.E.2.

For non-medicated toilet preparations (3) Device of woman's head and shoulders with a crown superimposed with the letter S, and the wording SABINE almond skin food, B727,993, by Sabine Cosmetic Manufacturing Co., Lonby sabine Cosmetic Manufacturing Co., London, W.I. NACROL, 731,024, by Eugene, Ltd., London, W.I. SELSET, 731,025, by Eugene, Ltd., London, W.I. ESTRABELLA, 732,076, by Edwards Harlene, Ltd., London, W.D. Denthole, T. 222,222, Ltd., London, W. Co., Physical Research Programmer Co., 222,222, Ltd., London, W.C. Denthole, T. 222,222, Ltd., London, W. Co., Physical Research Programmer Co., London, W. C. London, W. Lon W.C.1. PERHAPS, 732,392, by Perhaps Perfumery Co., Ltd., London, E.C.2. DIPLOMAT, 732,573, by Lewis (Import & Export), Ltd., London, W.11.

For pharmaceutical preparations for human use all containing glycerophosphates (5)

EBEFOS, 729,255, by Evans Medical Supplies, Ltd., Liverpool.

For cosmetic powder cases for personal use (3) KARETTE, B731,194, by Kigu, Ltd., London,

For abrasive preparations (3)

SIMONA, B731,628, by R. Simon & Co., Ltd., London, E.C.2.

For sulpho-amides and preparations containing sulpho-amides all being pharmaceutical preparations for the treatment of ailments of the nose, throat and ears (5)

ARISTOPLOMB, 725,904, by Nordmark-Werke, G.m.b.H., Holstein, Germany,

For all goods (5)
DENKAVIT TRI-STABIEL, 728,764, by
Denkavit, N.V., Voorthuizen, Holland.
EUTHATAL, 732,291, by May & Baker, Ltd., Dagenham, Essex.

For pharmaceutical, veterinary and sanitary sub-stances and infants' and invalids' foods all in

tablet form (5)
MELLITAB, 729,887, by Mellin's Laboratories,

For pharmaceutical and veterinary preparations and substances all containing sulphur (5)
SULFOTIN, 731,616, by the Crown Chemical

Co., Ltd., Kent.

#### From the "Trade Marks Journal," October 6

For manures and fertilisers (1) TOMAX, 712,716, by Vitax, Ltd., Ormskirk, Lancs.

For tale, dolomite and anhydrite all for use in manu/acture (1)

Device of a globe, with the wording Micro Minerals, 713,860, by A/S Norwegian Tale, Bergen, Norway.

For 3-acetylamino-2-4-6-triiodobenzoic acid for use in science and photography (1)

MALLINCKRODT UROKON, B724,369, by Mallinckrodt Chemical Works, Missouri, Missouri, U.S.A.

For metallic salts and metallic oxides all for use in manufacture (1)

MINELEC, 727,491, by Minelec, Ltd., London, W.1.

For chemical compositions included in class 1 for use in agriculture, horticulture and forestry (1) AMIZOL, 727,635, by American Chemical Paint Co., Dclaware, U.S.A.

For organic manures and organic fertilisers (1) NATURITE, 730,760, by Produx Industries, Ltd., Luton, Beds.

For adhesives used in industry (1)

SEQUASTICK, 730,860, by Leff & Jason, London, E.1.

For fertilisers (1)

MAXICROP, 731,101, by Maxicrop, Ltd., Holdenby, Northampton.

For all goods (1) SUFATONE, 732,192, by Horsfield Bros., Ltd., also trading as Standard Chemical Co., Cheshire, Device of a dog in a circle with the wording Anglo-American Synco Corporation, Ltd., 731,809, by Anglo-American Synco Corporation, Ltd., London, W.C.1.

For chemical products included in class 1 for use in agriculture (1)
FLYPAST, 732,579, by Anthony Henry Theo-

door Kortland, Ashford, Kent.

For non-medicated toilet preparations (3)

or non-medicated totlet preparations (3)
MACOL, 726,406, by the Horton Manufacturing Co., Ltd., Rickmansworth, Herts.
CORVETTE, 729,368, by Goya, Ltd., London,
W.1. TOTALL, 730,459, by Compagnie Francaise de Raffinage, Paris, France. YRSA,
B731,020, by Georg Dralle, Hamburg, Germania

For all goods (3)
SUFATONE, 732,194, by Horsfield Bros., Ltd., also trading as Standard Chemical Co., Ches.

For all goods (5)

VI-DEXEMIN, 707,691, SPANSULES, 711,548, ESKALGEN, 715,664, ESKABARB, 715,665, by Smith, Klinc & French International Co., Pennsylvania, U.S.A.

For analgesic preparations (5)

DAPRISAL, 720,795, by Smith, Kline & French International Co., Pennsylvania, U.S.A.

#### COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, October 17

BOURNEMOUTH PHARMACEUTICAL ASSOCIATION, St., George's Church, Boscombe, at 3 p.m. St. Luke's Day service.

PORTSMOUTH BRANCH PHARMACEUTICAL SOCIETY, Cathedral Church of Portsmouth, St. Thomas of Canterbury, at 11 a.m. St. Luke's Day service.

SOUTH LONDON AND SURREY PHARMACISTS' GOLF-INO SOCIETY, Betchworth Park golf club, Dorking, at 9.45 p.m. and 2.15 p.m. Fixture.

Monday, October 18
FINCHLEY DIVISION, NORTH LONDON PHARMA-CEUTICAL ASSOCIATION, the Bull and Butcher, CEUTICAL ASSOCIATION, the Dall Market Sp.m. Whetstone (Totteridge corner), at 8 p.m. Toulor on "Narcotic Drugs and the Police."

PESTICIDES GROUP, SOCIETY OF CHEMICAL INDUSTRY, Royal Institution, Albemarle Street, London, W.1, at 6 p.m., Inaugural meeting. At 8 p.m., dinner at Park Lane Hotel, London, W.1.

ROYAL INSTITUTE OF CHEMISTRY, Dartford Technical College, at 7 for 7.30 p.m. Mr. W. S. Wood on "Manufacture and Uses of Hydrogen Peroxide."

Tuesday, October 19

HARROW BRANCH, PHARMACEUTICAL SOCIETY, oak room, Baptist Church, Harrow, at 8 p.m. Mr. H. Treves Brown (treasurer, British Pharmaceutic) maceutical Conference) on " Conference Digest.'

WEST MIDDLESEX CHEMISTS' ASSOCIATION and BRANCH, Feathers Hotel, The Broadway, Ealing, London, W.5, at 8 p.m. Illustrated lecture by a representative of Glaxo Laboratories, Ltd.

Wednesday, October 20

ENFIELD CHEMISTS' ASSOCIATION, Cecil Road, nr. town car park, at 2 p.m. Coach leaves for visit to Roche Products, Ltd.

ROYAL INSTITUTE OF CHEMISTRY, Isleworth Grammar School, at 7 p.m. Dr. R. H. Herz on "The Use of Photography in Scientific and Engineering Investigations.

Thursday, October 21 HIC DEALERS' ASSOCIATION PHOTOGRAPHIC HOTOGRAPHIC DEALERS' ASSOCIATION, St. Andrew's (Berkeley) Hall, Glasgow, C.3. Exhibiwinter photography and latest equipment. Open from 2.15 to 5 p.m. for members only (by invitation); at 4 p.m., tea; open from 5.15 to 9.30 p.m. to general public. DARTFORD BRANCH, PHARMACEUTICAL SOCIETY. Bull Hotel, High Street, Dartford, at 8 p.m. Dinner.

LIVERPOOL CHEMISTS' ASSOCIATION and BRANCH. Georgian room, Stork Hotel, Queen Square, Liverpool, at 7.30 p.m. Presidential address by Mr. J. Farrer Barnes and general discussion.

Friday, October 22

HULL CHEMISTS' ASSOCIATION and BRANCH, Imperial Hotel, Hull, at 8 p.m., Dr. K. R. Capper (editor, scientific publications department, Pharmaceutical Society), on "The Pre-paration of the New National Formulary,"

PHYSICAL METHODS GROUP, SOCIETY FOR ANALY TICAL CHEMISTRY, Didcot Station, at 10,30 a.m., Visit to Atomic Energy Research Establishment, Harwell. At 5,30 p.m., meal at St, Edmund's Hall, Oxford, At 7,15 p.m., meeting in Physical Chemistry Laboratory, South Parks Road, Oxford, for reading of papers on radiochemistry.

SOCIETY OF COSMETIC CHEMISTS, Royal Society of Tropical Medicine and Hygiene, 26 Portland Place, London, W.1, at 7 p.m. Mr. G. E. Holmes on "Tube Metals, Protective Internal Coatings, and Scepage."

#### PRINT AND PUBLICITY

Advertising Campaigns

GENATOSAN, LTD., Loughborough, Leics: Sanatogen. In over 100 publications.

IMPERIAL CHEMICAL (PHARMACEUTICALS), LTD., Fulshaw Hall, Wilmslow, Manchester: Savion antiseptic cream, Commencing on October 14, in national daily and Sunday newspapers, and in Woman's Weekly, Woman's Own, Reader's Digest, John Bull, Glasgow Sunday Post and Belfast Evening Telegraph.

MAX FACTOR HOLLYWOOD & LONDON (SALES), LTD., 16 Old Bond Street, London, W.1: Sheer Genius, In national daily, Sunday, London evening and provincial newspapers, and whole pages in women's magazines.

#### Booklets and Leaflets

BRITISH HOMEOPATHIC ASSOCIATION, 43 Russell Square, London, W.C.1: "A Guide Homeopathy." Pp. 20. Price one shilling. "A Guide to

BRITISH PRODUCTIVITY COUNCIL, 21 Tothill Street, London, S.W.1: Progress Report 1953-54, Pp. 20. Price one shilling.

ISOPAD, LTD., 30 Rosemont Road, London, N.W.3: "About Electric Blankets" (3-p. folder).

CRODA, LTD., Croda House, Snaith, Goole, Yorks: Glyceryl Mono-stearate and Other Glyceryl and Glycol Esters." Pp. 4. "Cithrol Polyglycol Esters." Pp. 4.

May & Baker, Ltd., Dagenham, Essex: "Packed Pharmaceutical Chemicals." Pp. 4.

PHILIPS ELECTRICAL, LTD., Century House, Shaftesbury Avenue, London, W.C.2: "The Cleanest Story Ever Told." Pp. 12. Describes Philishave electric razor,

#### Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19: "Nobecutane, A New Plastic Wound Dressing," "Praducil 'Prescoted' Tablets and Pradupen Solution" (8-p. and 12-p. booklets).

AYER PRODUCTS, LTD., Africa House, Kingsway, London, W.C.2: "Sulfomyl Eye Drops and Ointment" (4-p. leaflet). BAYER PRODUCTS,

BRITISH SCHERING, LTD., 229 Kensington High Street, London, W.8: "Oblivon in Labour" (4-p. leaflet); "Oblivon Elixir" (sampling card).

LABORATORIES GEIGY, LTD. PHARMACEUTICAL Rhodes, Middleton, Manchester: "Eurax" (4-p. folder), "Sedestran for the Relief of Menopausal Disorders" (4-p. booklet).

HARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "Thiazamide" "Bru-lidine," "Vinesthene" (30-, 20- and 36-p. booklets, in one folder).

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.I: "Asterol Anti-fungal Preparation " (6-p. folder).

ROUSSEL LABORATORIES, LTD., 847 Harrow Road, London, N.W.10: "Hydrocortisone Roussel London, N.W.10: "Hydrocortis Skin Ointment" (16-p. booklet).

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1: "Anorvit, an Advance in Iron Therapy," "Entacyl Tablets" (4-p. leaflets); "Scorbital Tablets" (blotter),

#### LOCAL OFFICERS

PHARMACEUTICAL SOCIETY

Hull Branch .- President, Mr. G. W. Hind; Vice-presidents, Mr. A. Brown and Mr. I. Dack; Treasurer, Mr. C. A. Hewitt; Secretary, Mr. L. J. Small.

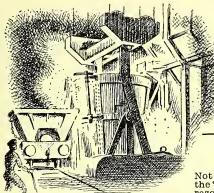
PHARMACEUTICAL COMMITTEES Birmingham.—Secretary, Mr. Charles McArdle, F.P.S., Birmingham General Hospital.

NATIONAL PHARMACEUTICAL UNION Birmingham.—Secretary, Mr. Alfred Henry Moseley, 49 Staplehurst Road, Hall Green, Birmingham, 28.

#### C. & D. WEEKLY LIST PRICES

A-Advanced: R-Reduced; I.R.P.-Inclusive Retail Price; \*-Tax 25 per cent.; †-Tax 75 per cent.

ALLEN & HANBURYS, LTD. (from Octo- Vensilla cellulose towels standard 15 9 1 9	NEW PRODUCTS AND PACKS			
Aminophylline tablets B.P. Doz. I.R.P.	BENGUE & CO., LTD. Doz. Gromidin tablets 25 31 6 3 6			
0.1 gm. 100 25 3 3 2 R P.A.T.A. PROTECTED LIST				
250 4 5 6 8 R (Prices notified this week by the Propriet	H. & R. BRINDLE, LTD.			
1,000 15 0 22 6 R Articles Trade Association.)	Harbrina face cloth 12 6			
From October 7: ELI LILLY & CO., LTD.	Guest towel and face cloth			
Nonad tulle (parattin gauce No. 1715 folic acid tablets Doz.	set 32 4			
dressing B.P.C.) Doz. 5 mgm, 25 38 0 4 9				
36 x 6 in. sq. 89 0 11 1 R 100 140 0 17 6	De-Gee bottle warmer 27 6			
EVANS MEDICAL SUPPLIES, LTD. J. E. ELLIS, LTD. (from October 18)				
Each Each	EVANS MEDICAL SUPPLIES, LTD. Colliron* 2 litres 37 6 65 8			
Bisalevan 25 mils 3 4 5 0 A Daisy powders* 60 6 8 R Ferlucon tablets 25 1 10 2 9 R display cards 36 4 0	2 11163 37 0 03 0			
100 3 8 5 6 R Usplay Cards 30 4 0 Doz.	MAX FACTOR HOLLYWOOD AND LONDON			
250 8 4 <b>12</b> 6 R Daisy tablets* 11 0 A 1 6				
1,000 28 6 R 5,000 137 6 R Buttercup syrup* 22 0 A 3 0 12 0 1 8				
	M. & R. NORION, LID.			
6 x 2 mils 3 3 4 11 A	Noverty soaps:			
Anti-typhoid-paratyphoid ADDITIONS TO PROTECTED LIST	crate of "fruit"			
vaccine (1.A.B.) 5 mils 4 4 6 6 A DECLON SPONGES, LTD.				
MACDONALD & SON, LTD. (wholesale, from Declon toilet sponge 20 0 2 11	PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD.			
October 1, retail, from November 1) Dek household sponge 20 0 2 11	Largactil syrup, 4 fl. oz. 10 0			
Silcot cotton wool towels Doz, size 0 18 9 2 1 R Declon nursery sponge 13 0 1 11	40 fl., oz. 100 0			
1 21 0 2 4 R Autodek motor car sponge 29 0 4 3	SOUTHALLS (BIRMINGHAM), LTD,			
2 25 6 2 10 R 3 31 6 3 6 R E. C. DE WITT & CO., LTD.	Blue Star sanitary towels Doz.			
3 31 6 3 6 R E. C. DE WITT & CO., LTD. 4 40 6 4 6 R De Witt's pills* 20 15 0 2 0	size 1 18 8 2 0 2 23 5 2 6			
4 40 0 4 0 K DC Witt's pins 20 15 0 2 0	2 23 3 2 0			



BLADES FROM SHEFFIELD ... but overalls from Gardiner's

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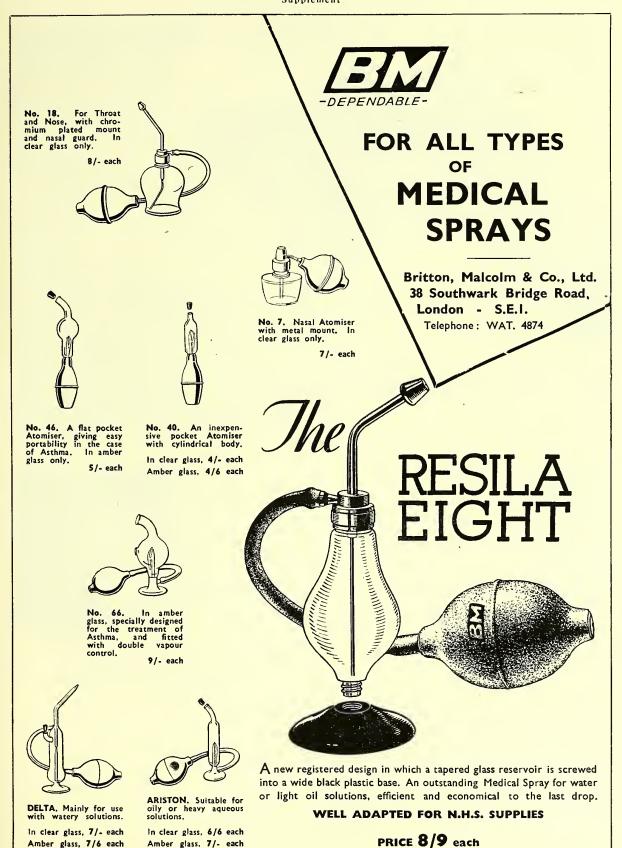
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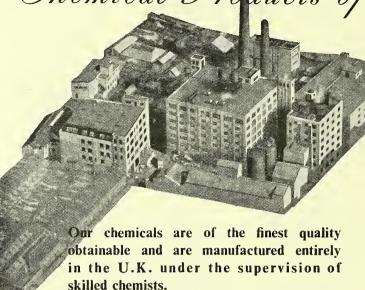


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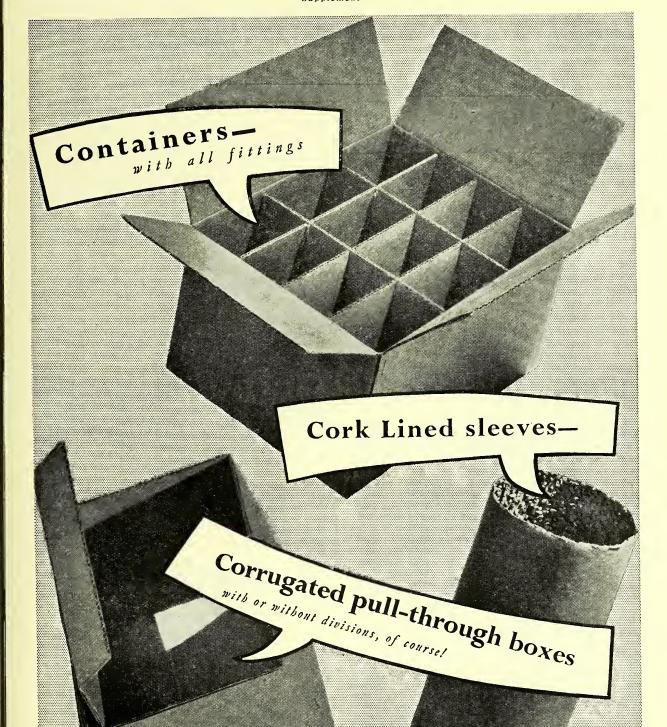
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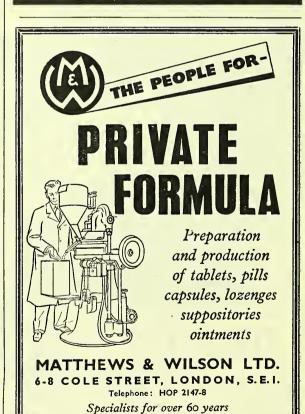
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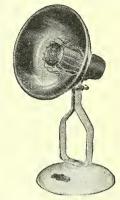
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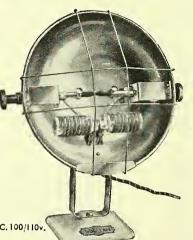
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NOTE NEW RETAIL PRICE - now 1/10

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Cost of each 3 doz. bonus parcel to you (33 at 12/6 doz. trade price)

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9.4

**Total gross** profit

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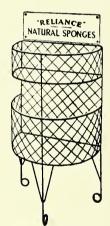
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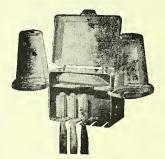
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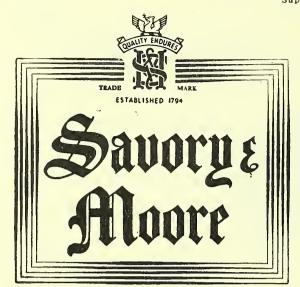
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Your price 34/- per doz. plus  $8/3\frac{1}{2}$  P.T. Retailing at 4/6 each

DISPENSING PACKS
16 fl. ozs. 11/6 net. 80 fl. ozs. 45/- net.

## BENGUE & CO., LTD.

Manufacturing Chemists, MOUNT PLEASANT, ALPERTON, WEMBLEY, MIDDX,



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## NO SUGAR

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Made specially without added sugar, Rose's Diabetic Fruit Drinks provide a pleasant form of refreshment for patients on sugar-free diets. Rose's Diabetic Lime Juice costs 5/6 a bottle; Fruit Squashes—Orange or Lemon—cost 5/-

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DIABETIC FRUIT DRINKS

FROM LEADING CHEMISTS



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The public likes something reliable, something with dependable high quality. A faithful following is the public's response to trustworthy products that give real satisfaction.

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# CUTICURA SOAP CUTICURA OINTMENT CUTICURA TALCUM POWDER CUTICURA SHAVING STICK

There is a growing circle of discriminating people who appreciate high quality and insist on these soothing, protective, fragrant, mildly medicated Preparations, for care of the skin. Just display one each of these eye-catching firm family favourites in your attractive window, and make sure this steady all-the-year-round business comes your way.

CUTICURA SOAPS, OINTMENTS AND SHAVING STICKS HAVE ALWAYS CONTAINED CHLOROPHYLL

325

## Pattinson's REGISTERED BRAND PRODUCTS

- LIGHT & HEAVY MAGNESIUM CARBONATES B.P.
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- MAGNESIUM OXIDE LEVISSIMA
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Industry

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ANTEMIN—an entirely new contraceptive cream recently introduced—constitutes a notable advance in modern methods of family planning. Formulated in the light of extensive research, it affords all the qualities desirable in a contraceptive preparation.

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Medical literature available to Pharmacists on request.

• Spermicidal activity S/4.

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A product of original CIBA research

For the Rapid Relief of GASTRO-INTESTINAL PAIN

## Particularly in PEPTIC ULCER

and other conditions associated with hypermotility or spasm.

Well tolerated in the usual therapeutic doses

Available in tablets containing 5 mg.

 $2\hbox{-} diethylaminoethyl-\alpha\hbox{-} cyclohexyl-\alpha\hbox{-} phenylglycollate\ methobromide}$ 

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1/4

## NEW ZUBES COUGH MIXTURE



All over the country, striking advertisements are constantly reminding the public about Zubes Cough Mixture, with the wonderful new penetrating coughs. This year, nation-wide advertising puts agent ASIMILON. This new formula, introduced for the first time last year, was enormously successful in spite of a mild winter. Everywhere, everyone wanted

the amazing new Zubes Cough mixture which soothed as it penetrated right to the centre of irritating over the Zubes Cough Mixture story even more strongly than before—to stimulate bigger sales than ever!

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and also regular insertions in leading provincial newspapers.

It pays to display Zubes! Display Zubes Cough Mixture prominently and make sure you have plenty in stock — the demand this winter is going to be really big!

\_ F. W. HAMPSHIRE & CO. LIMITED . SUNNYDALE . DERBY

To produce a make-up that brings to every woman a new complexion loveliness—that's  $\mathcal{L}evico$ 

To produce a make-up that beauty-treats while it beautifies—

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Sheer Genius Max Factor's wonderful new liquid make-up will be launched on Oct. 24th with an extensive advertising campaign on the scale you expect . . . and get . . . from MAX FACTOR

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Supplement

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Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel.: Belfast 27078 

#### SALES BY AUCTION

18/- per half-inch (min.) and pro rata.
Box 2/-

By Order of Trustees, CHAMBERLAIN & WILLOWS will sell by Auction on Wednesday, November 3, 1954, at 4 p.m., at the City Auction Hall, 58 Coleman Street, E.C.2, the Valuable Freehold Industrial and Office Premises, 28 Rochester Place, Camden Town, London, N.W.I. Modern Corner Building on 2 floors, adioining lofty Building and Garage for 2 vans, Caretaker's flat, Good yard space, Total floor area 16,350 sq. ft, Particulars Chamberlain & Willows, 23 Moorgate, London, E.C.2, Tel.: City 6013, C 7646

### **BUSINESSES WANTED**

17/6 for 36 words (min.) then 4d. per word. Box 2/-

PHARMACY OR DRUG STORE required. preferably with living accom, or a busi with sub-post office. Apply Box C 1810.

#### **APPOINTMENTS**

18/- per half-inch (min.) and pro rata. Box 2/-

#### HEXHAM AND DISTRICT HOUSING MANAGEMENT COMMITTEE, GENERAL HOSPITAL, HEXHAM

Applications are invited for the above post, which is in a modern department providing a pharmaceutical service to the group (738 beds). Some small-scale manufacturing and sterilising work is done.

White the Council scales (£525 x £25—£625) plus additional £25 for recognised higher qualifica-

Applications, stating age, qualifications, experience and names of two referees to the Group Secretary, Hexham General Hospital, Hexham, Northumberland, as early as possible. C 7645

#### ST. LUKE'S HOSPITAL, BRADFORD (953 Beds)

Pharmacist (female)
required. General and Maternity Hospital Unit.
(Category V). Opportunity for specialisation.
Whitley Council salary and conditions, Apply
Hospital Secretary, C 7652

ST. PETERS HOSPITAL,
CHERTSEY, SURREY
(430 Beds)
Deputy Chief Pharmacist
(Category IV) required, Salary and conditions
of service in accordance with Whitley Scales.
Applications stating age, and experience together with the names of two referees should
be sent to the Hospital Secretary. C 7598

## NOTTINGHAM No. 1 HOSPITAL MANAGEMENT COMMITTEE Pharmacist Also Assistant in Dispensing

Applications are invited for the appointment of pharmacist at the Highbury Hospital, Nottingham, to commence duties as soon as possible. Salary £450 x £25—£575 per annumbles extra qualification allowance where

applicable.
Salary and conditions of service in accordance with the Pharmaceutical Whitley Council Regulations.

With the Pharmaceutical Whitey Council Regulations, Applications are also invited for the post of Assistant in Dispensing at the Highbury Hospital, Nottingham, duties to commence as soon as possible. Salary age 22 £335 x £15(1) x £10(1) x £15(5)—£435 per annum, plus £15 per annum if holding the appropriate extra qualification allowance. Previous hospital experience desirable, but not essential. Preference will be given to holders of the Apothecaries' Hall Certificate. Salary and conditions of service in accordance with the Professional and Technical Council "B" Regulations. Applications for the:e posts stating age, qualifications and experience, together with the names of two referees to be sent as soon as possible to the Group Secretary, General Hospital, Nottingham.

## THE HOSPITAL FOR SICK CHILDREN, GREAT ORMOND STREET, LONDON, W.C.1 Pharmacist

Applications are invited for the post of pharmacist at this hospital. Salary within the Pharmaceutical Whitley Council Scale (£450 x £25—£525) plus London Weighting, £25 for recognised higher qualification. Apply by letter to Chief Pharmacist.

## WEST DORSET GROUP HOSPITAL MANAGEMENT COMMITTEE Senior Pharmacist

Senior Pharmacist

(male or female) required, Salary and conditions of service in accordance with Whitley Council recommendations, Scale: £525 x £25—£625 p.a. The successful candidate will be required to assist in the pharmaceutical departments at both Weymouth & District Hospital, Weymouth, and Dorect County Hospital, Dorchester, Applications giving details of age, qualifications and experience, together with names of two referees, to Group Secretary, West Dorset Group H.M.C., Damers Road, Dorchester, by October 30, 1954, C 7649

## YORK "A" AND TADCASTER HOSPITAL MANAGEMENT COMMITTEE Pharmacist

Pharmacist

Applications invited for post of Pharmacist at the Fulford Hospitals, York, Whitley Pharmaceutical Council conditions. Salary £450 x £25—£575 p.a., plus higher qualification allowance £25 p.a., c.g., A.R.I.C., F.P.S., Applications giving age, qualifications, experience and names of two referees to Secretary,

Dark York, immediately. C 7642

#### SITUATIONS OPEN

8/6 for 36 words (min.) then 3d, per word, Box 2/-

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

#### RETAIL (HOME)

ASSISTANT REQUIRED (male) for West End of London drug stores. Apply Box C 1782.

CENTRAL LONDON, Young lady (unqualified) required for dispensing and counter duties in good-class modern pharmacy. Position is permanent and offers good prospects with progressive firm. Saturday half-day; no Sunday, Bank Holiday or rota duties. Apply with full details, including age, experience and salary required to Box C 7542.

CENTRAL LONDON. Young lady assistant required for toilet department in good class pharmacy. Permanent position with good progressive salary. Saturday half-day, Apply stating age and details of experience to Box C 7637.

CHISWICK, Pharmacist required as manager for well-established family pharmacy, Congenial position with excellent prospects. Would suit recently qualified pharmacist, Apply Box

EALING. Excellent opportunity for energetic pharmacist to manage nicely fitted branch in pleasant suburban area. Generous salary and monthly bonus, Excellent self-contained flat available near to branch. Good supporting staff, Permanency with pension fund. Apply with full details stating when available for interview to Chief Pharmacist, Grange Road, Leyton, E.10.

C 1793

HAYES, MIDDLESEX. Excellent opportunity for energetic pharmacist to manage busy branch in pleasant area. Well-fitted shop. Adequate assistance, Modern dispensary. Progressive salary with monthly bonus and rota duty payments, Accommodation available if required, Fermanency with pension fund, etc. Apply with full details stating when available for interview to Box C 1794.

ILFORD. Pharmacist required to manage expanding branch close to busy main-line station. Up-to-date dispensary and excellent supporting staff, Self-contained flat available within easy distance of the branch. Attractive salary and bonus scheme. Apply with full details stating when available for interview to Box C 1792.

MIDDLESEX. Experienced and competent unqualified gentleman required to assist present dispensing and photographic staff. Excellent wage for the right type of applicant, and advertisers are prepared to wait for him. Box C 1805.

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#### Situations Open—Continued

NORTH LONDON SUBURB, Pharmacist required to manage spacious well-fitted branch with substantial counter trade. Good opportunity for ambitious man to earn top salary together with monthly bonus and rota duty payments, Accommodation available if required or assistance given in house purchase, Superannuation benefits, etc, Apply with full details stating when available for interview to Box C 1795.

PHARMACIST REQUIRED, mainly for dispensing and counter duties, Opportunity to study sight testing under C.P.C. optician, S.W. London area, Apply Box C 1809.

RURAL MARKET TOWN, North Yorkshire Dale, Vacancy occurs for competent dispenser assistant, Easy hours, No heavies, State details age, experience, salary, etc. W. Altham Smith, M.P.S., Market Place, Leyburn, Yorks, C 1808

#### WHOLESALE

A COMPANY manufacturing nationally advertised products have a vacancy for a chemist to undertake research and general laboratory routine work on protective skin creams and ointments. Applications, which will be treated in the strictest confidence, are invited from men with a B.Sc, or Ph.C. qualification, who are aged approximately 25 to 35. There is a non-contributory pension scheme and the company work a 5-day week, Box C 1802.

ABBOTT LABORATORIES, LIMITED, manufacturers of fine pharmaceuticals, invite applications for the position of purchasing manager. Candidates should have first-class experience and knowledge of the chemical and/or the pharmaceuticals industries. The purchasing department is situated at the company's factory in the North-east. Salary will be commensurate with the responsibility involved, Applications in handwriting giving full details of age, education and career to date should be made to the General Manager, 3 Wadsworth Road, Perivale, C7641

BAYER PRODUCTS, LTD., invite applications for new vacances on their medical representative staff, occasioned by rapid expansion of their interests in this country. A pharmaceutical or medical background is required but previous experience is not essential because a thorough training course is given. The work is interesting and offers good prospects of advancement. The company provides a car, pays all expenses and there is a superannuation scheme. Applications in confidence to S.D., Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2.

BUYER REQUIRED by established company dealing in imported pharmaceuticals. Previous experience and good knowledge of overseas markets essential. Good salary and fullest particulars in confidence to Box C 7608.

EXPORT MANAGER required by well-established and rapidly expanding company of pharmaceutical merchants/manufacturing chemists dealing in bulk and packed pharmaceuticals for home and export trade, The position offers considerable scope for an energetic man of ideas and enterprise. Good salary commensurate with experience, Fullest particulars in confidence to Box C 7591.

GENATOSAN, LIMITED, of Loughborough, a member of the Fison Group, require a Trade Representative for their South Wales Territory. A man with a real interest in selling is required, with a good personality, enthusiasm and ability. A pharmaceutical qualification or background is an advantage, This post is well-remunerated and superannuated. Full personal details and summary of attainments and experience should be addressed to: The Personnel Officer, Genatosan, Ltd., Loughborough, Leics, Please quote ref, T/SW.

IMPERIAL CHEMICAL INDUSTRIES, LTD., has a vacancy for a medical representative in the South of England, Applicants should preferably be under 35 years of age, salary according to age and experience, Applications with full particulars should be addressed to Imperial Chemical (Pharmaceuticals), Ltd., Cfticc Service Department, Fulshaw Hall, Wilmslow, Manchester.

LEDERLE LABORATORIES have a vacancy for a graduate chemist at the company's analytical laboratories, Preference will be given to a graduate with two or three years' experience in analytical work in the pharmaceutical field, Good commencing salary, Apply, giving full details of previous experience, to the Chief Analyst, Lederle Laboratories Division, Cyanamid Products, Ltd., Hirwalm Trading Estate, nr. Aberdare, Glamorgan. C 7653

MACLEANS, LTD., Great West Road, Brentford, Middlesex, has a vacancy in the Experimental Laboratory for a chemist (B.Sc, and/or A.R.I.C.) for research and development of pharmaceutical products, Applicant should have a flair for investigational work, Pension and profit participation schemes, Write giving fullest details of qualifications, experience and salary required to Personnel Manager. C 7617

MANUFACTURING CHEMISTS in the Northwest require a representative for the Liverpool area, Applications are invited from representatives with a complete knowledge and actual experience of retail pharmacy, Remuneration is by salary and commission plus expenses and a car is provided, Fullest details in confidence to Box C 7656.

MEDICAL REPRESENTATIVE required by well-known ethical pharmaceutical manufacturing company for Manchester area. Applicants must be resident in or near Manchester. Pharmaceutical background desirable but not essential. Apply, giving full details and quoting reference C/23 to Box C 7643.

OLD ESTABLISHED CORK MANUFAC-TURERS require representative already calling upon chemists and drug houses, etc. Commission basis only, Apply Box C 1768,

PHARMACIST required for pharmaceutical manufacturing firm in Edinburgh, Manufacturing experience an advantage but not essential, Apply to Box C 1801,

PROCESS WORKER required for the manufacture of ointments, powders and wets, Also skilled operator required for sterile solution department, Excellent conditions, Apply to Chief Pharmacist, Biorex Laboratories, Ltd., 47/51 Exmouth Street, E.C.I. Phone: Terminus 5216.

PROCESS WORKER REQUIRED by pharmaceutical manufacturing house in N.W. London, Good wages and prospects, Congenial working conditions, Canteen and pension scheme, Write with full details of age, experience, etc., to Box C 7657.

REPRESENTATIVE. Small Lancashire drug house invites applications for appointment as representative to sell drugs and galenicals to chemists in South East Lancashire, Previous experience in selling essential. Remuneration by salary, commission and expenses, Please give full particulars of previous experience and salary desired. Box C 1789.

REPRESENTATIVE REQUIRED immediately to take over and expand a first-class connection amongst chemists and stores in the Midlands, Applicants should have experience of the wholesale and retail trade, and be a car owner. Remuneration is by salary, commission, car allowance and expenses. Please send very full details to: Box AC 00557, Samson Clarks, 57/61 Mortimer Street, London, W.1. C 7648

ROCHE PRODUCTS, LIMITED, require medical representatives for (a) Derbyshire, Staffordshire and Leicester; and (b) London (Western) and Wilts, A pharmaceutical qualification or equivalent academic achievement desirable but representative experience not essential. Usual expenses and salary commensurate with experience, Contributory pension scheme in operation, Please send in confidence full details of age, experience, etc., to the Secretary, Roche Products, Ltd., 15 Manchester Square, London, W.1, C 7601

SANDOZ PRODUCTS, LIMITED, Pharmaceutical Department, invite appl.cations from candidates for the position of Senior Assistant in the Medical Information Department, Applicants should be under 30 years of age and should be pharmacists (preferably F.P.S.). Please send full details of age, qualifications and experience with photograph to the Staff Manager, Sandoz Products, Ltd., 134 Wigmore Street, London, W.1.

SOUTH COAST. Young pharmacist required as assistant to manager of wholesale firm specialising in distribution of ethical and proprietary preparations. The post offers possibilities of advancement to a man with initiative and ambition. Small unflurnished flat available if required. Applications with details of past career to Box C 1799.

THE BRITISH DRUG HOUSES, LTD. Sales representatives, Applications are invited for sales representatives in (1) East Midlands centred on the Nottingham area; (2) South Midlands based on Birmingham, Appl.cants must be pharmacists and not more than 40 years of age, Please write fully regarding experience, salary, etc., to The British Drug Houses, Ltd., ref.: HAC/CMH, Graham Street, London, N.1.

C 7655

TWO MEDICAL REPRESENTATIVES with pharmaceutical or medical background required by large firm of manufacturing chemists to interview doctors, hospitals and chemists in the Surrey, Sussex, Hampshire and Isle of Wight area and the South-west England area respectively. Residence in the Portsmouth area and in Exeter or Plymouth preferable, Cars provided, Salary and expenses, Pension scheme, Apply giving age and full details of qualifications and experience, and stating salary required, Box C 1654,

### **BUSINESS OPPORTUNITIES**

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OWN MATERIAL TABLETED, from 6d, per 1,000 upwards. Aspirin tablets a speciality. The Dales Tablet Makers, Ltd., Steeton, Yorkshire, 'Phone Steeton 3222. C 185

## PHARMACEUTICAL PROMOTION MANAGER

THE British subsidiary of a large pharmaceutical and chemical company with international affiliations and distribution has an opening for a Promotion Manager.

This post — which is being created because of the Company's rapid expansion—involves the supervision of all advertising and promotional activity in the United Kingdom and overseas markets. It requires creative ability, imagination and the willingness to perform a considerable amount of work despite daily office schedules.

Applicants should be between 30-40 years old and should have a sound knowledge of ethical pharmaceutical selling although pharmaceutical qualification is not necessary.

We seek a man who has had considerable staff experience and now considers himself ready to assume complete responsibility for an advertising and promotional programme in an important and rapidly growing company.

Compensation will be scaled to the individual's qualification and will be increased in accordance with performance.

This new position offers an exceptional opportunity for the right man.

Replies will be held in strict confidence and should provide curriculum vitae and present compensation. Box C 7639.

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EXPERIENCED LADY dispensing assistant with counter experience requires post. London or London area preferred, Box C 1806, LADY DISPENSER ASSISTANT (Hall Certificate), well experienced hospital, retail and private practice, desires part-time post Northwest London. Box C 1797.

#### WHOLESALE

ACTIVE EXECUTIVE, with long comprehensive experience of the pharmaceutical trade, retail, wholesale, manufacturing, sales, factory and office management, export and import, covering chemists, doctors, hospitals, and grocery section of trade, seeks suitable position with reliable firm, Box C 1780.

ADVERTISING EXECUTIVE seeks position (full or part-time) where long experience of pharmaceutical publicity can be used to advantage, Planning, copy, production, display, exhibitions and market research. Box C 1754.

**EXPERIENCED REPRESENTATIVE** seeks post. Patent medicine, sundries, etc., for chemist trade or will accept lines for the general store trade. Wholesale, retail, co-ops, etc. Northumberland, Durham, Yorkshire or Cumberland and Westmorland, Box C 1788.

EXPERIENCED REPRESENTATIVE with good pharmaceutical connection desires change and opportunity for advancement with house of repute, London preferred. Box C 1800,

REPRESENTATIVE, sound connection retail and wholesale chemists South Wales open to represent reputable firm. Good agencies considered, Box C 1807.

YOUNG MEDICAL REPRESENTATIVE desires change (sound reasons). Five successful years' experience, Ireland and Britain, Proved ability. All areas considered. McMurray, 19 Ulsterville Avenue, Belfast. Phone: 31373.

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ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair price for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks. Discontinued lines. Surplus and Redundam Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3, C 153

LEAVER LID (wide opening) or slip lid tins, new condition, to hold 1 to 56 lb. required. Food Products Co., 663 Commercial Road, London, E.14.

MEDICAL BOTTLES, tablet bottles, closures and all types of packaging materials purchased, no quantity too large. Samples and full details to Noel Davold & Co., 9 Laurence Pountney Lane, Cannon Street, E.C.4. Mansion House 3951-2.

PAUL DANIELS, LTD., will purchase your redundant stocks of all types glass bottles, bakelite and metal screw caps or any type merchandise. Record our name for future reference to obtain a fair price. Write or phone: 27 Haggerston Road, Shoreditch, E.2. Tel.: Shoreditch 6992 (3 lines). C 1777

WANTED: Copper sulphate, carbon tetrachloride, pine tar. Apply Box C 7640.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large, Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Rd., London, W.11, Tel.: Bayswater 4020, 7692.

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ASSORTED MEN'S HAIR BRUSHES at 1/11d. each plus postage (6—11d., dozen 1/3d.). Assorted shaving brushes at 1/3d, each plus postage (6—7d., dozen 11d.), C.O.D. or cash with order, Nylon tooth-brushes packed in cardboard cartons, each containing 2 dozen. One carton (2 dozen), 8s. Six cartons (1 gross), 38s. Sealed cardboard cartons containing 500, £6 7s. 6d. Carriage paid home. Cash with order or c.o.d. Selwin (Northwich), Ltd., Northwich, Cheshire.

FOR SALE AT COST: 10 gross \(\frac{1}{4}\) in, x 4 in, aluminium tubes (99.7 per cent. purity) plain, fitted with No. 95' black caps, internally lacquered, packed in 5 wooden containers. Write or phone Westcott & Co., Ltd., Manufacturing Chemists, 329 High Holborn, London, W.C.1, Phone: Hol. 1659. C 1803

MODERN CHEMIST SHOPFITTINGS, drug ranges, wallcases and frameless sliding doors, display counters and showcases; all types of window fittings and display stands, D. Mathews & Son, Ltd., Complete Chemist Shop Fitters and Shop Front Builders, 14/16 Manchester St., Liverpool.

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SHOP FRONTS, stainless steel, bronze hardwood. Burns (£100), Shopfitters. Chiswick 1193. 67 High St., Cranford, Hounslow, Middlesex.

SHOWCASES, SHOWCASES, SHOWCASES, Latest designs. All sizes including glass counters, Free delivery. Write for details to (Dept. "P"), Vandome & Hart, Ltd., Wenlock Rd., London, N.1. (Established 1660.) C 196

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